

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041795.D
 Acq On : 23 Dec 2020 20:31
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Dec 24 01:14:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	140360	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132368	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68937	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40414	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.92	69	41370	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.58	63	91255	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.66	46	173512	55.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.10%
24) Chloroform-d	5.08	84	96274	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.72	65	54712	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.74	84	178987	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.70	67	51301	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.90	98	142806	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.18	79	21967	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.64	63	135521	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52237	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	55011	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	55502	4.668	ug/L	99
3) Chloromethane	1.52	50	50490	4.370	ug/L	99
5) Vinyl chloride	1.61	62	62031	4.863	ug/L	98
6) Bromomethane	1.86	94	44438	5.572	ug/L	100
8) Chloroethane	1.94	64	43034	4.967	ug/L	96
9) Trichlorofluoromethane	2.15	101	93416	5.786	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	53472	5.538	ug/L	96
12) 1,1-Dichloroethene	2.59	96	52758	5.541	ug/L	92
13) Acetone	2.67	43	108158	53.945	ug/L	57
14) Carbon disulfide	2.81	76	159884	4.859	ug/L	100
15) Methyl Acetate	2.97	43	25225	4.839	ug/L	92
16) Methylene chloride	3.06	84	63082	5.547	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	139428	5.488	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	54977	5.582	ug/L	91
19) 1,1-Dichloroethane	3.89	63	100331	5.451	ug/L	93
21) 2-Butanone	4.75	43	173759	53.206	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	58857	5.407	ug/L	94

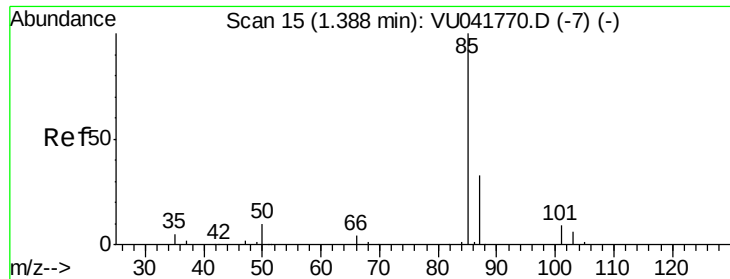
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122320\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28238	5.647	ug/L	95
25) Chloroform	5.11	83	103606	5.589	ug/L	98
27) 1,2-Dichloroethane	5.81	62	67804	5.401	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	86786	5.709	ug/L	98
30) Cyclohexane	5.40	56	81786	4.800	ug/L	96
31) Carbon tetrachloride	5.54	117	74424	5.662	ug/L	98
33) Benzene	5.79	78	228286	5.393	ug/L	100
34) Trichloroethene	6.55	95	53616	5.040	ug/L	95
35) Methylcyclohexane	6.77	83	76806	4.467	ug/L	97
37) 1,2-Dichloropropane	6.80	63	51296	4.737	ug/L	98
38) Bromodichloromethane	7.11	83	66802	4.959	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	74493	4.643	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	343264	44.551	ug/L	95
42) Toluene	7.97	91	216402	4.951	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	69099	4.816	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	43411	5.421	ug/L	96
47) Tetrachloroethene	8.56	164	41597	5.586	ug/L	96
48) 2-Hexanone	8.69	43	256769	45.790	ug/L #	96
49) Dibromochloromethane	8.81	129	51075	5.553	ug/L	96
50) 1,2-Dibromoethane	8.93	107	40511	5.114	ug/L #	98
51) Chlorobenzene	9.45	112	137203	5.050	ug/L	96
52) Ethylbenzene	9.57	91	219205	4.710	ug/L	97
53) m,p-Xylene	9.69	106	84882	4.890	ug/L	99
54) o-Xylene	10.10	106	83619	4.919	ug/L	100
55) Styrene	10.11	104	147008	5.006	ug/L	98
56) Isopropylbenzene	10.48	105	219485	4.850	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	54971	4.933	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	41408	5.092	ug/L	99
61) Bromoform	10.29	173	31619	6.067	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	106227	5.038	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	104701	4.939	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	106886	5.177	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9333	4.820	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	74587	4.661	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	59657	4.442	ug/L	99
69) Naphthalene	14.07	128	109225	3.929	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	58291	4.554	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 4.668 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

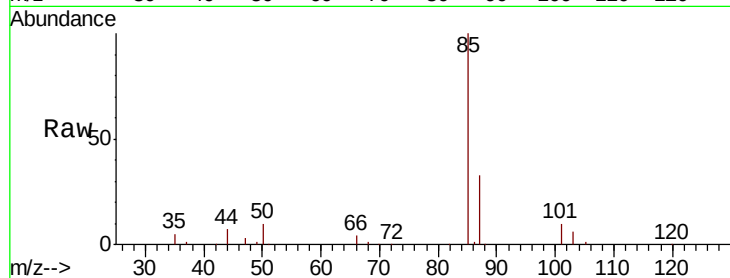
VSTD00528

Tot Ion: 85 Resp: 55502

Ion Ratio Lower Upper

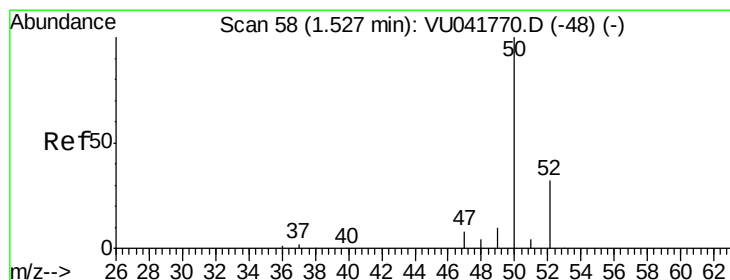
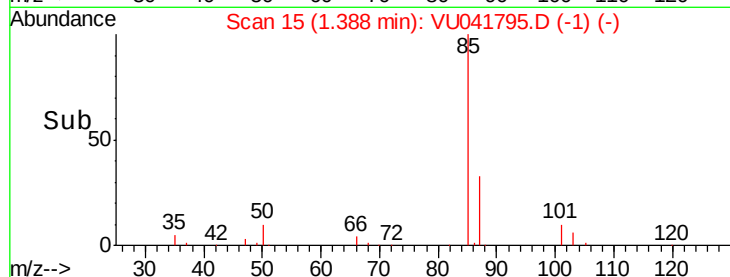
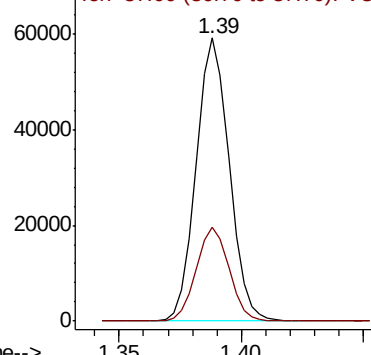
85 100

87 32.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041770.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041770.D (-7) (-)



#3

Chloromethane

Concen: 4.370 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041795.D

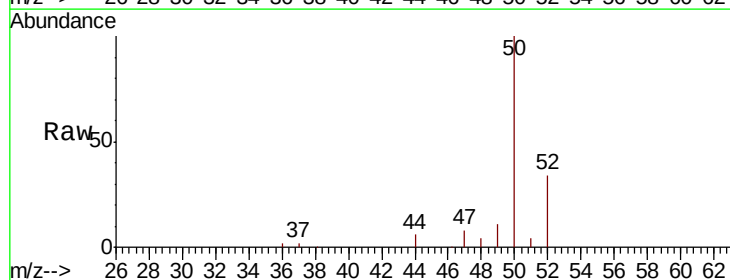
Acq: 23 Dec 2020 20:31

Tgt Ion: 50 Resp: 50490

Ion Ratio Lower Upper

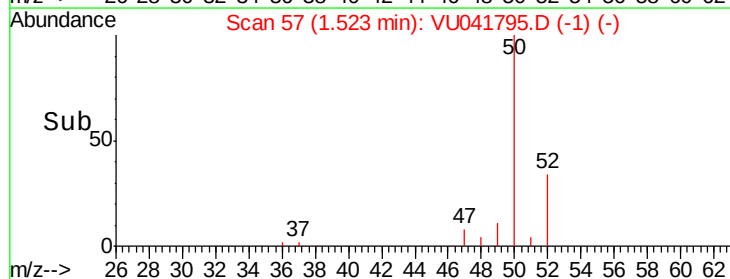
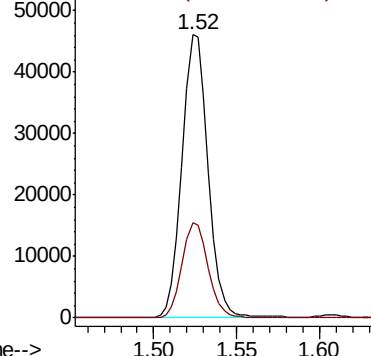
50 100

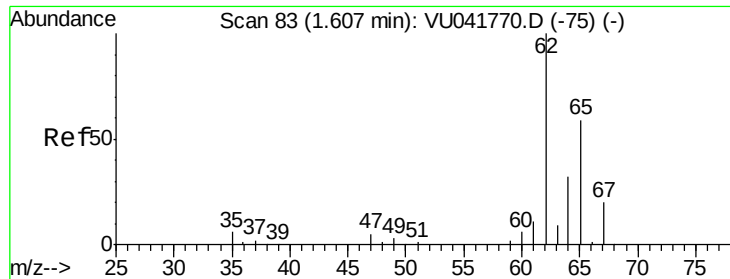
52 33.7 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041770.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041770.D (-48) (-)





#5

Vinyl chloride

Concen: 4.863 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

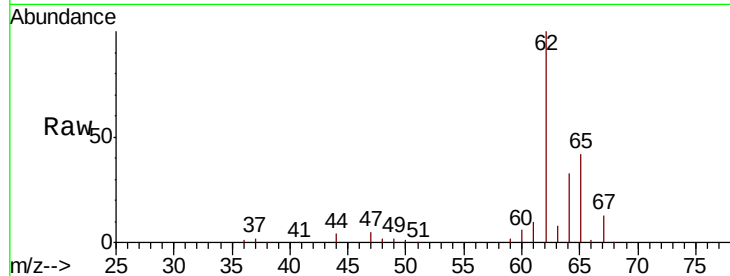
VSTD00528

Tot Ion: 62 Resp: 62031

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041770.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041770.D (-75) (-)

1.61

60000

50000

40000

30000

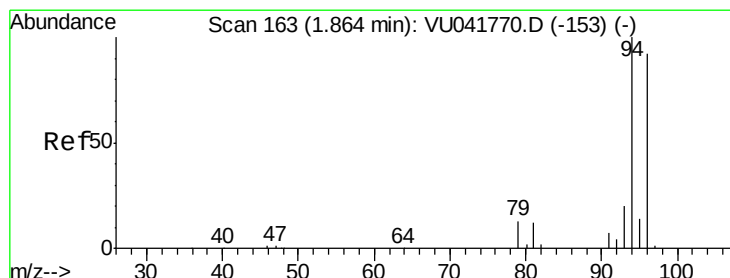
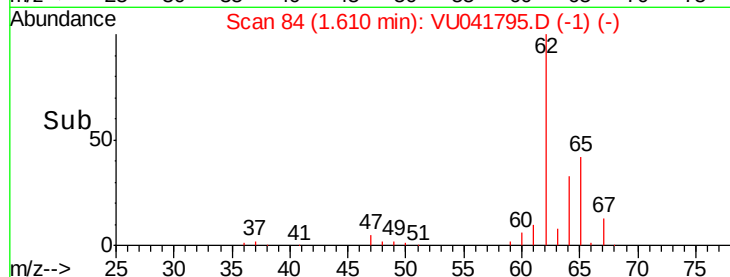
20000

10000

0

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 5.572 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041795.D

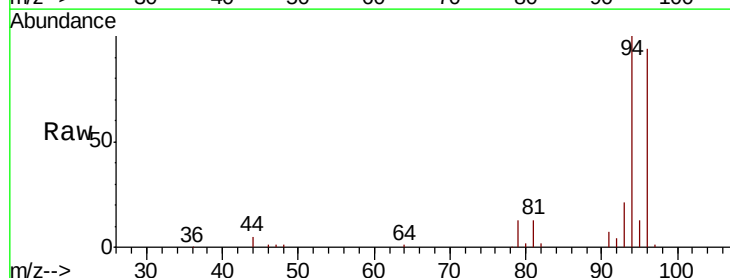
Acq: 23 Dec 2020 20:31

Tgt Ion: 94 Resp: 44438

Ion Ratio Lower Upper

94 100

96 93.6 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041770.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU041770.D (-153) (-)

1.86

40000

30000

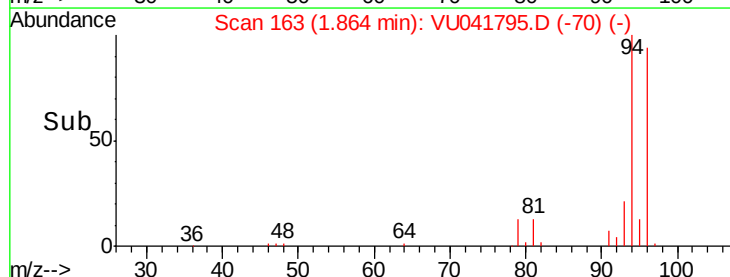
20000

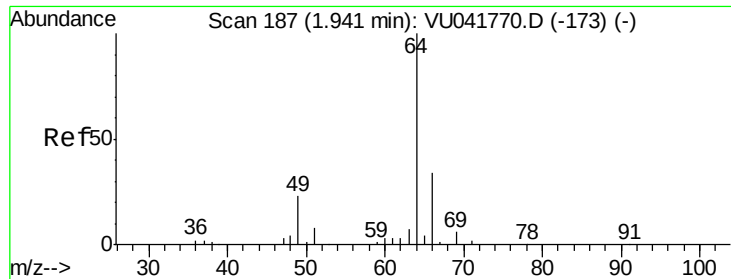
10000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 4.967 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

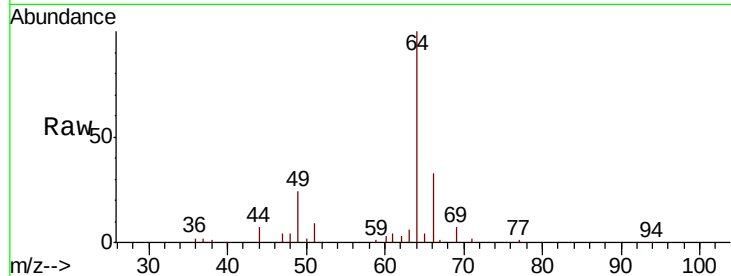
VSTD00528

Tot Ion: 64 Resp: 43034

Ion Ratio Lower Upper

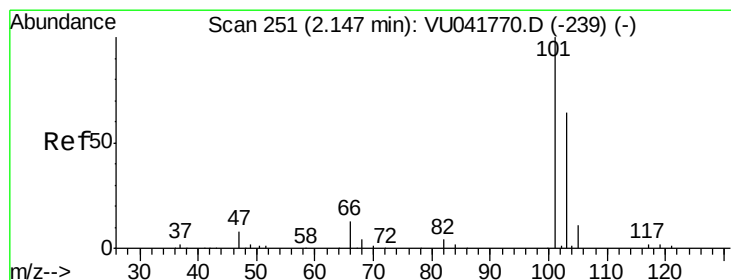
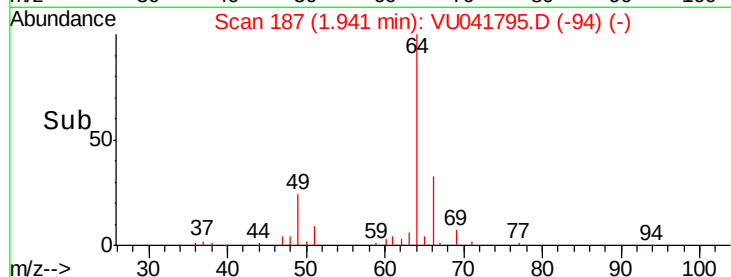
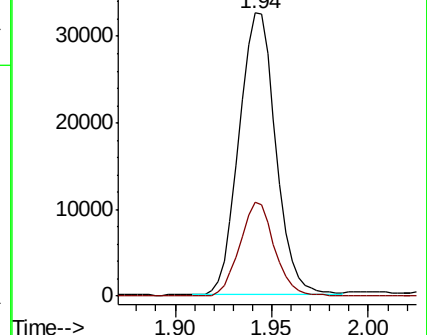
64 100

66 33.2 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041770.D (-173) (-)

Ion 66.05 (65.75 to 66.75): VU041770.D (-173) (-)



#9

Trichlorofluoromethane

Concen: 5.786 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041795.D

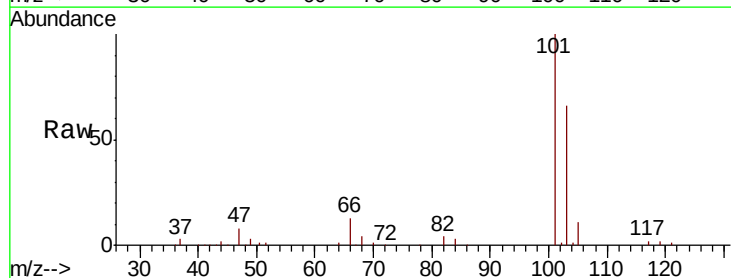
Acq: 23 Dec 2020 20:31

Tgt Ion: 101 Resp: 93416

Ion Ratio Lower Upper

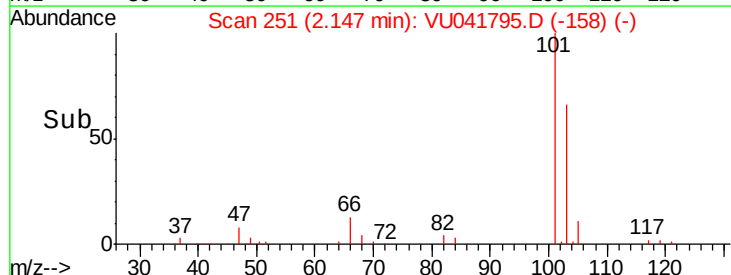
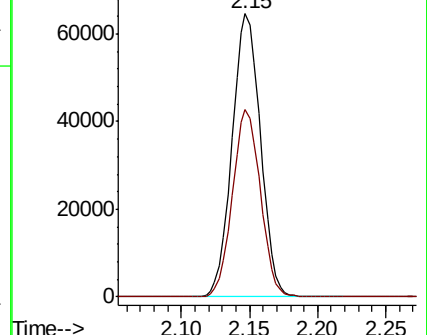
101 100

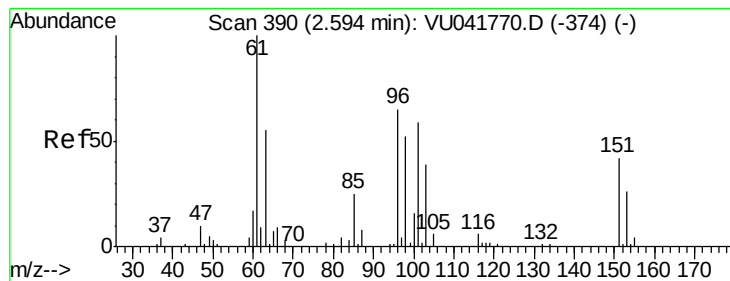
103 65.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041770.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041770.D (-239) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.538 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

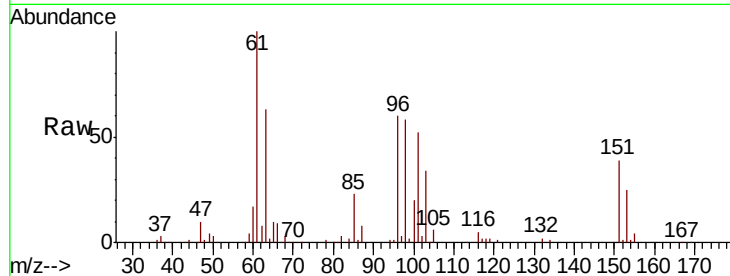
Tot Ion:101 Resp: 53472

Ion Ratio Lower Upper

101 100

85 43.7 33.6 50.4

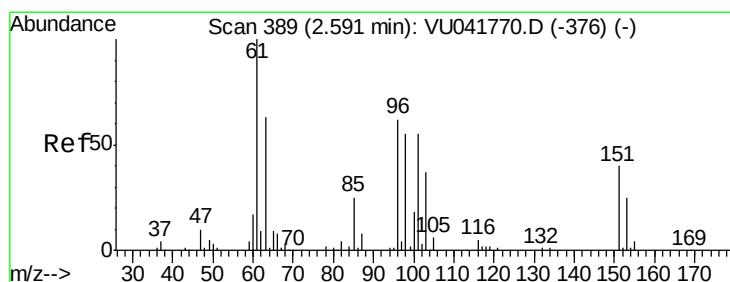
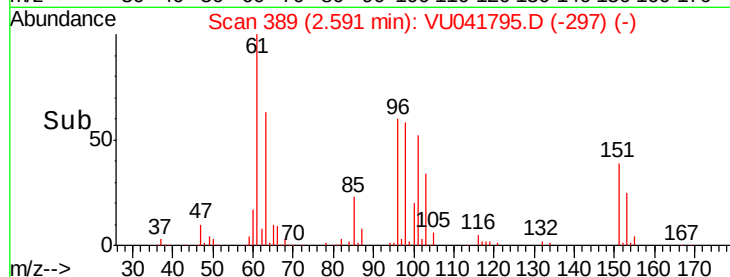
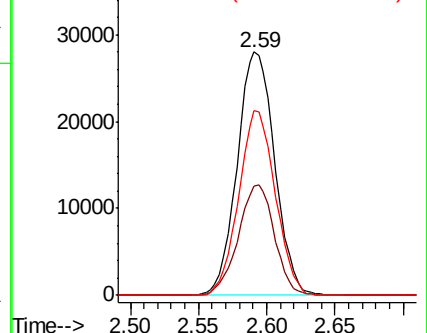
151 73.9 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.541 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

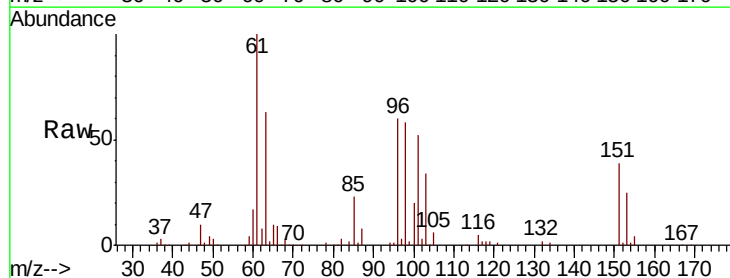
Tgt Ion: 96 Resp: 52758

Ion Ratio Lower Upper

96 100

61 167.5 123.8 230.0

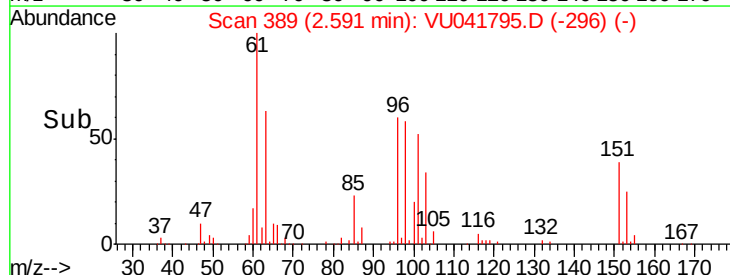
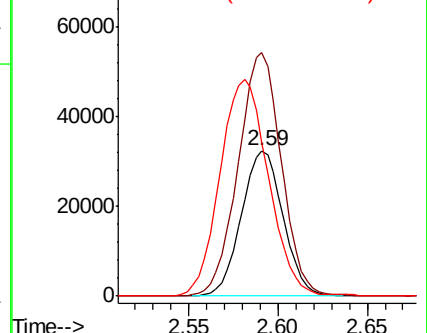
63 105.8 81.0 150.4

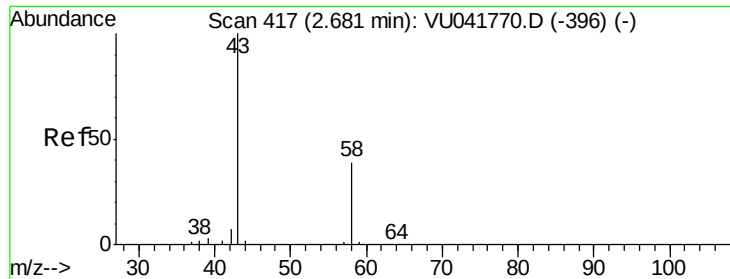


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.945 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

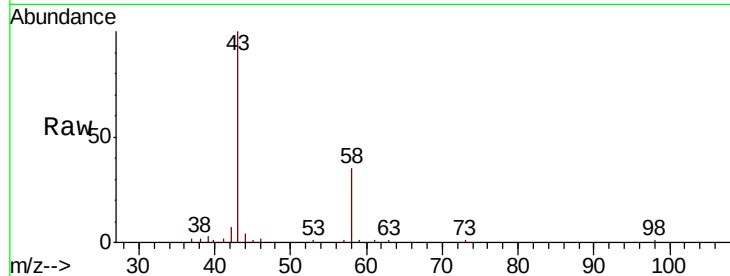
VSTD00528

Tot Ion: 43 Resp: 108158

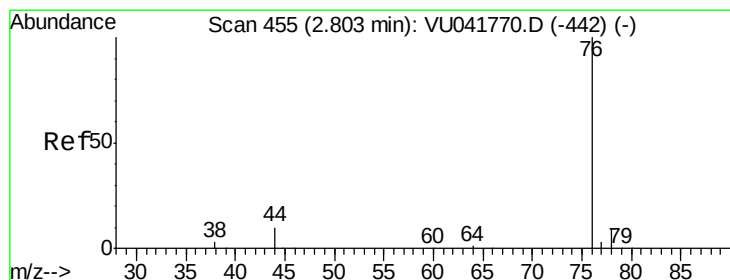
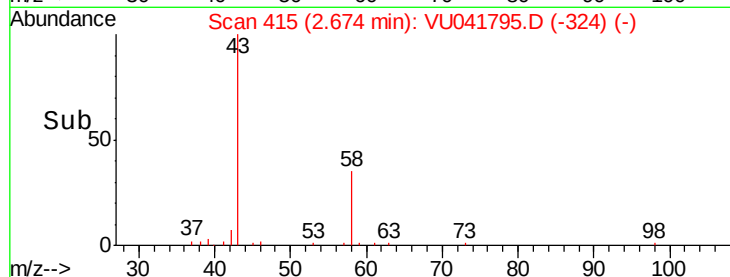
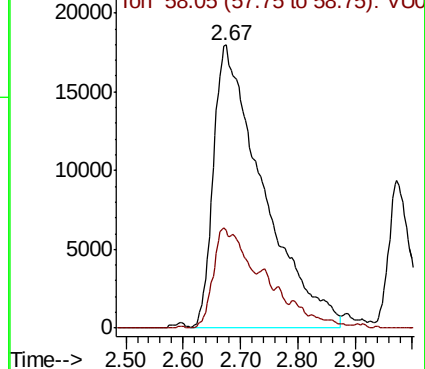
Ion Ratio Lower Upper

43 100

58 11.4 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041770.D (-396) (-)



#14

Carbon disulfide

Concen: 4.859 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041795.D

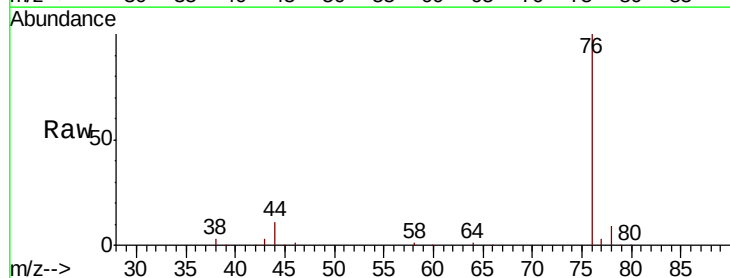
Acq: 23 Dec 2020 20:31

Tgt Ion: 76 Resp: 159884

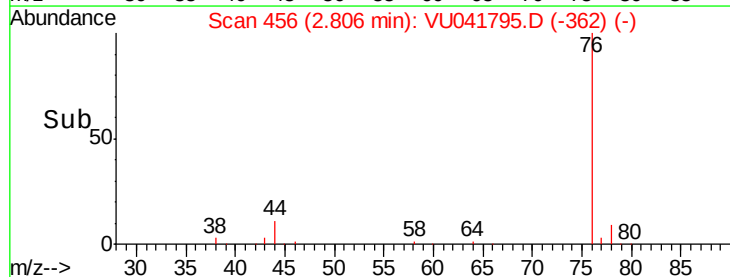
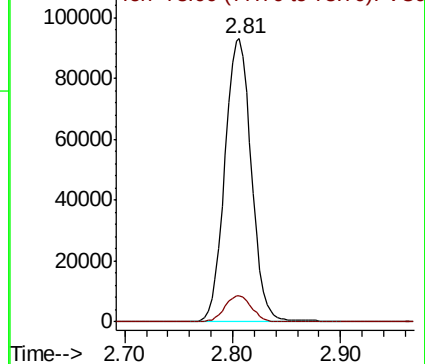
Ion Ratio Lower Upper

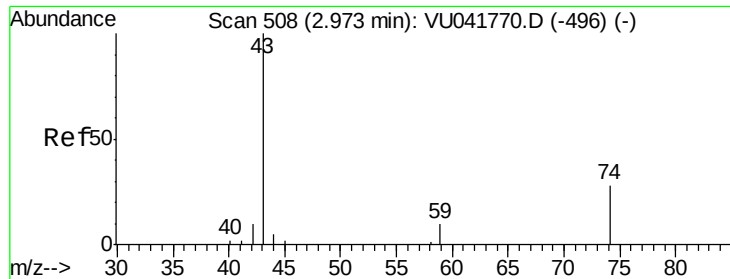
76 100

78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041770.D (-442) (-)

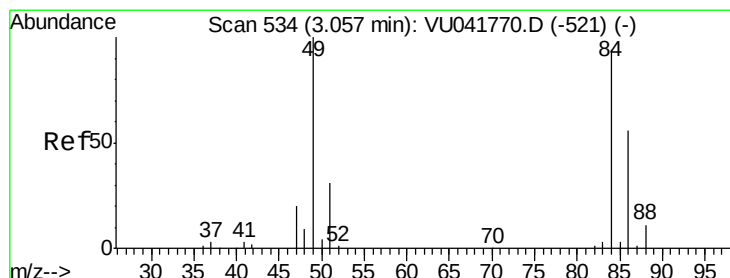
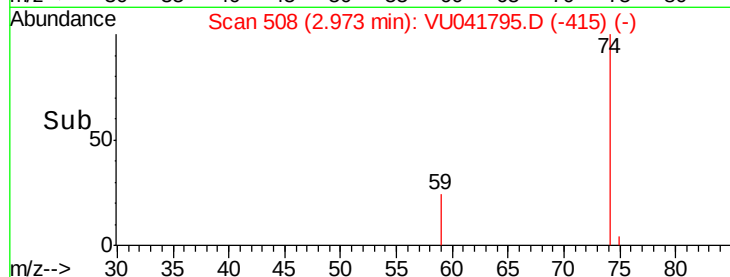
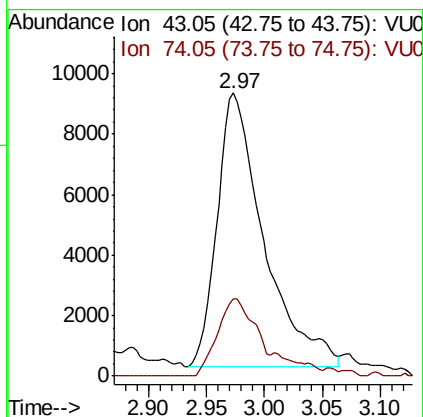
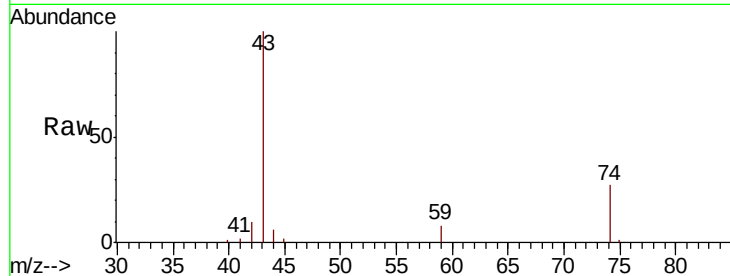




#15
Methvl Acetate
Concen: 4.839 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

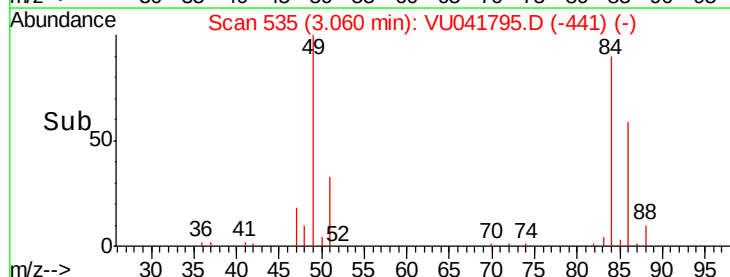
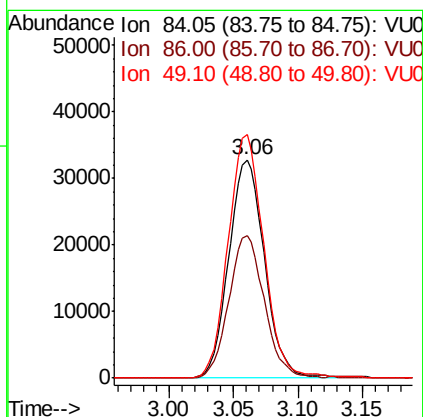
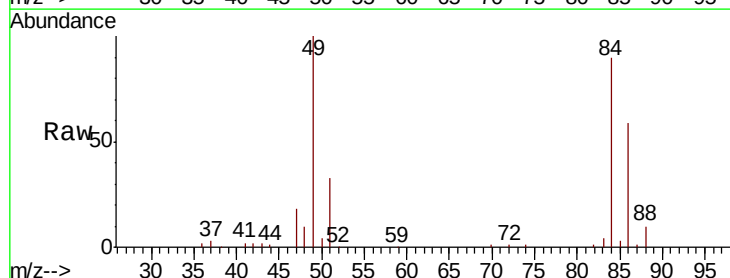
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

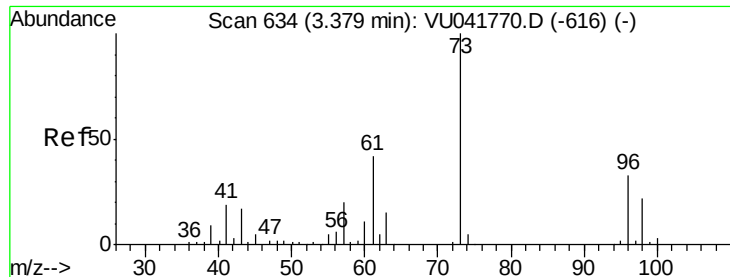
Tot Ion: 43 Resp: 25225
Ion Ratio Lower Upper
43 100
74 28.0 19.2 28.8



#16
Methylene chloride
Concen: 5.547 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

Tgt Ion: 84 Resp: 63082
Ion Ratio Lower Upper
84 100
86 65.5 45.1 83.7
49 111.6 83.1 154.3

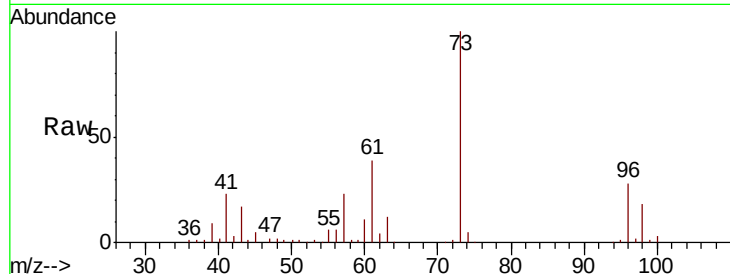




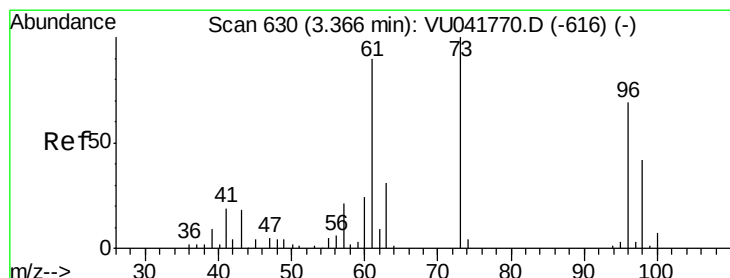
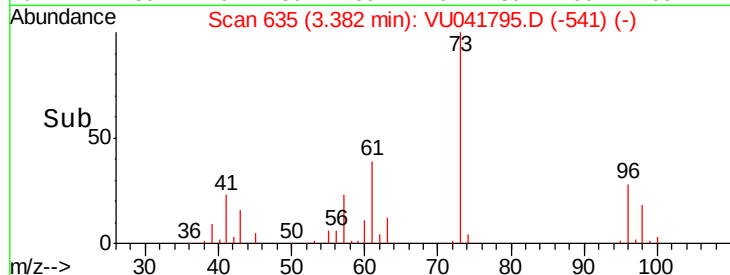
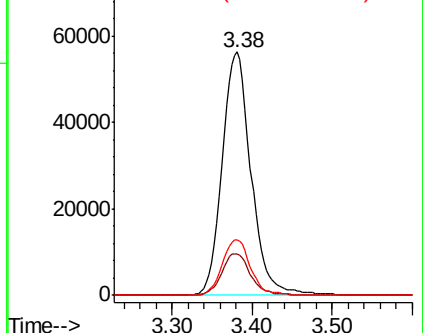
#17
Methyl tert-butyl Ether
Concen: 5.488 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion: 73 Resp: 139428
Ion Ratio Lower Upper
73 100
43 17.1 14.7 22.1
57 22.5 18.2 27.4

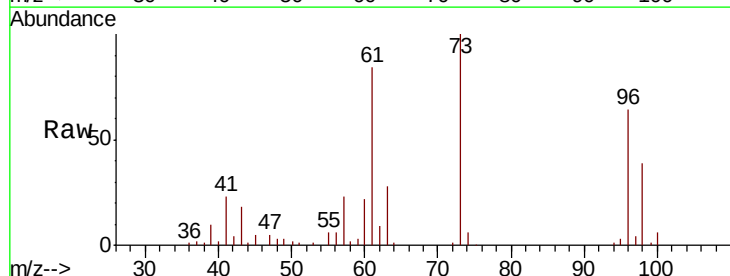


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

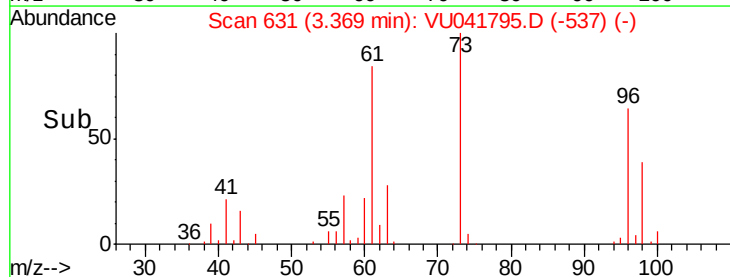
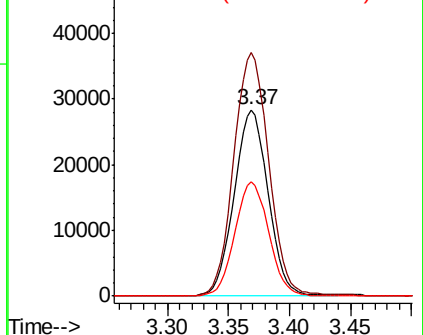


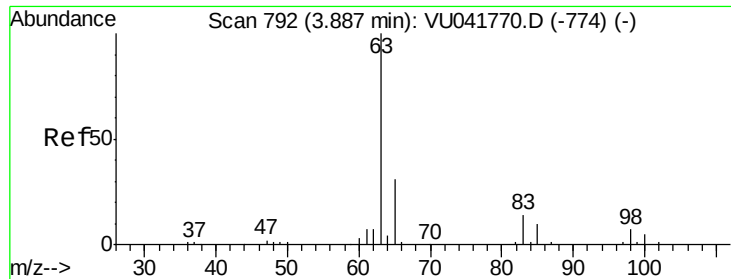
#18
trans-1,2-Dichloroethene
Concen: 5.582 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

Tgt Ion: 96 Resp: 54977
Ion Ratio Lower Upper
96 100
61 130.7 101.8 189.0
98 61.5 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

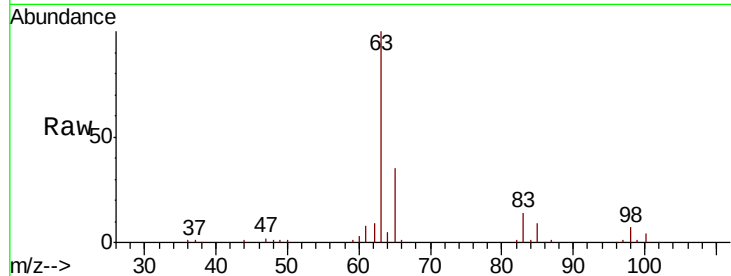




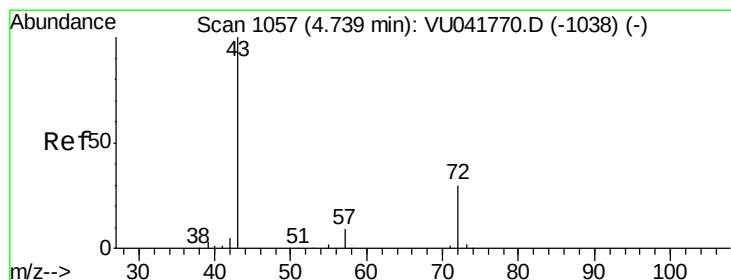
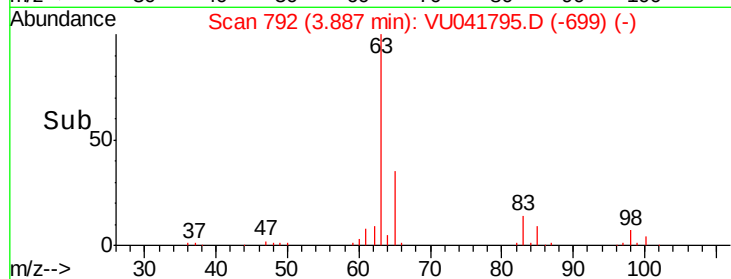
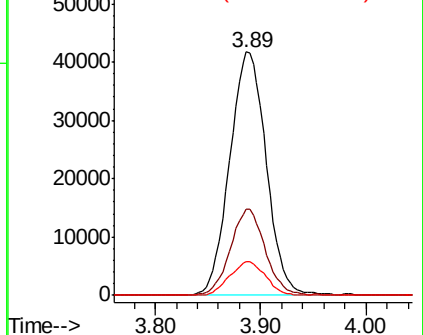
#19
 1,1-Dichloroethane
 Concen: 5.451 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 63 Resp: 100331
 Ion Ratio Lower Upper
 63 100
 65 35.3 21.3 39.6
 83 14.1 9.3 17.3

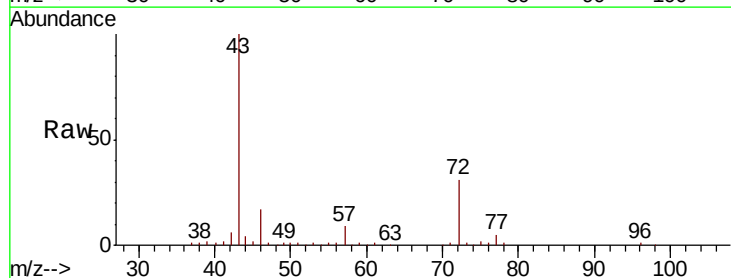


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

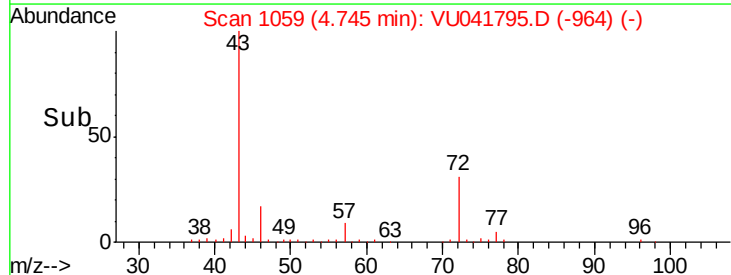
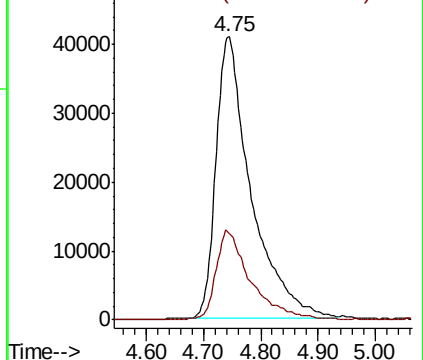


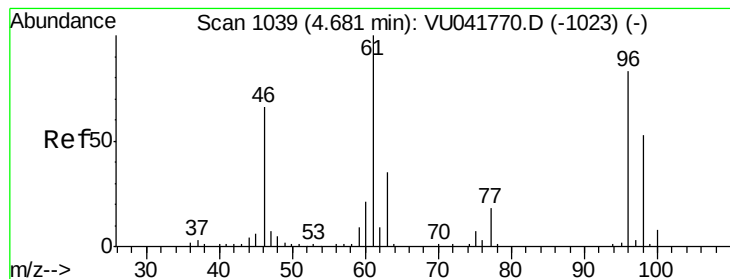
#21
 2-Butanone
 Concen: 53.206 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion: 43 Resp: 173759
 Ion Ratio Lower Upper
 43 100
 72 28.7 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.407 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

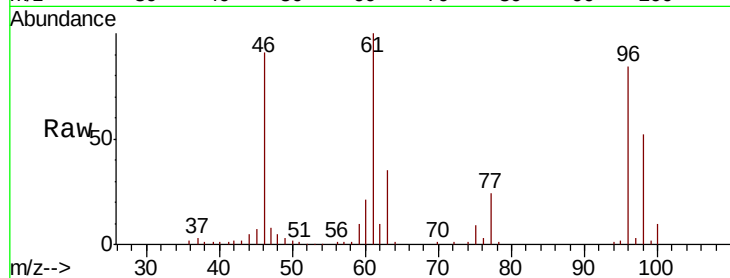
Tot Ion: 96 Resp: 58857

Ion Ratio Lower Upper

96 100

61 119.7 88.8 165.0

68 0.0 0.0 0.0

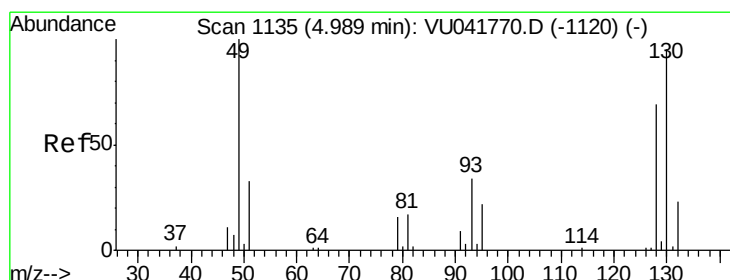
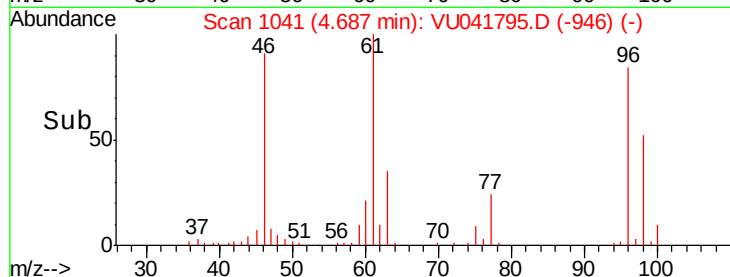
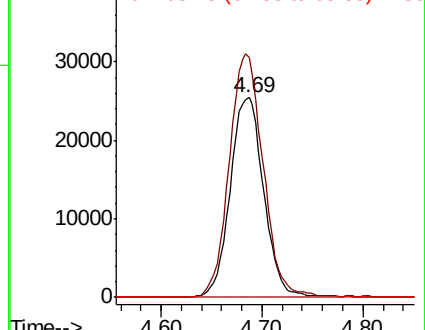


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.647 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Tgt Ion:128 Resp: 28238

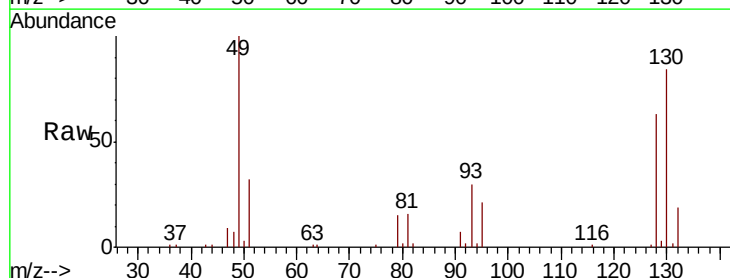
Ion Ratio Lower Upper

128 100

49 158.2 109.3 203.1

130 132.4 84.8 157.6

51 49.8 40.6 61.0



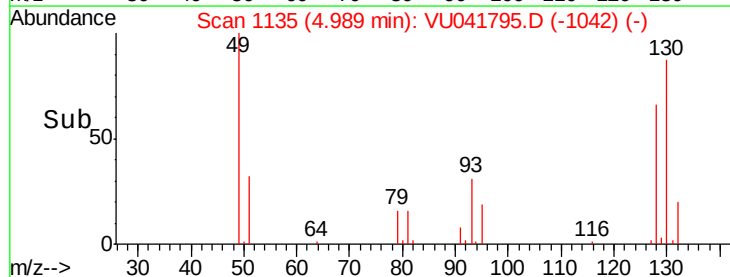
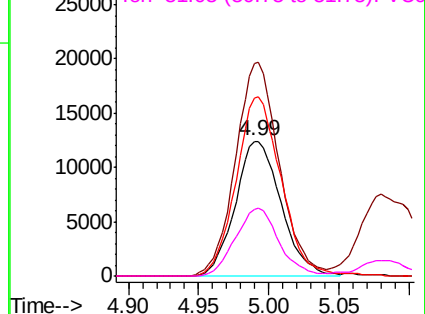
Abundance

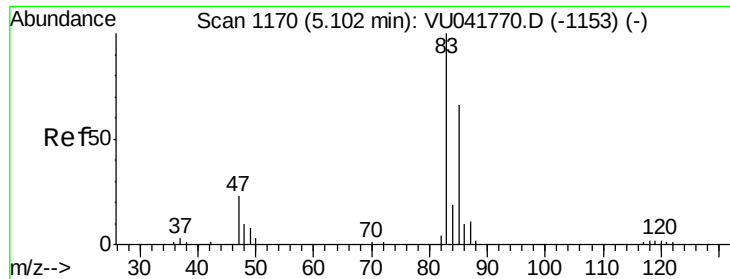
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

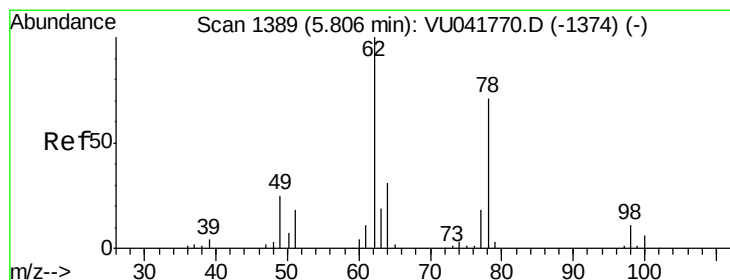
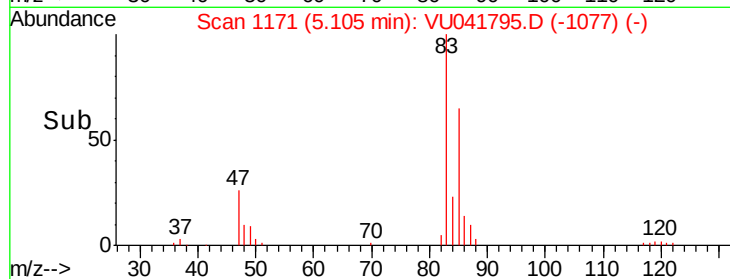
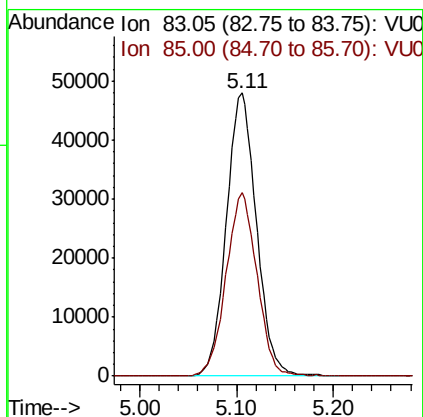
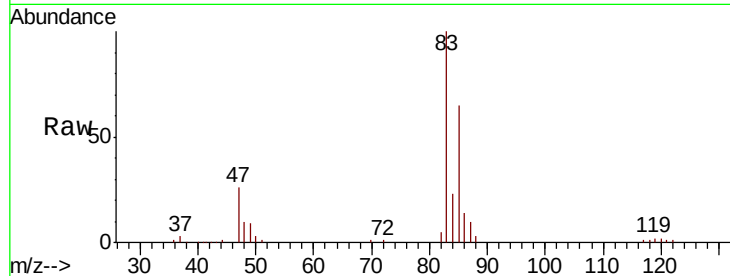




#25
Chloroform
Concen: 5.589 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

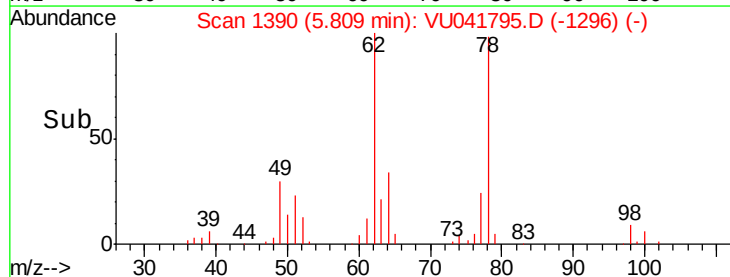
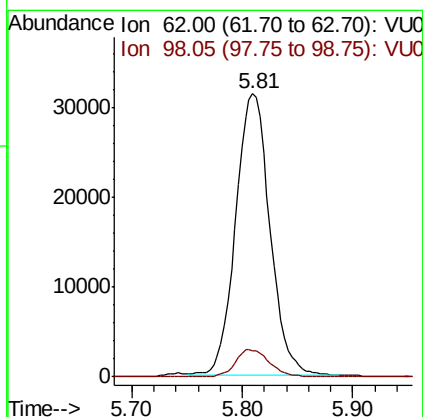
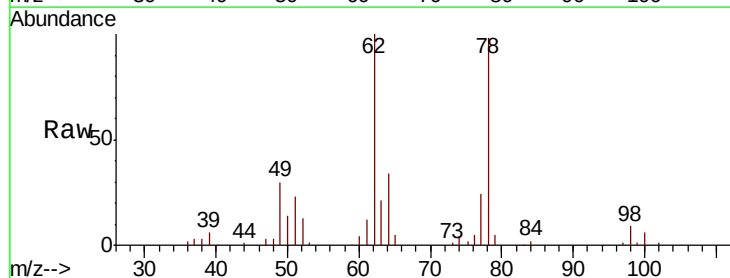
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

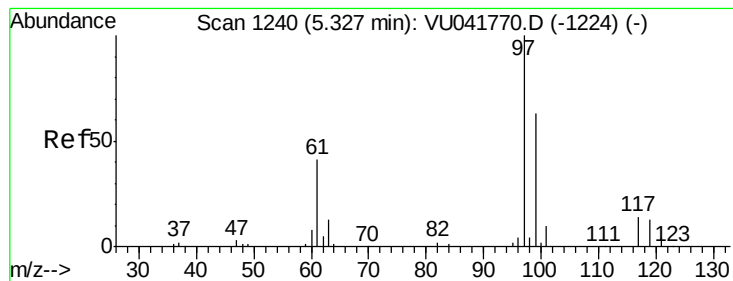
Tot Ion: 83 Resp: 103606
Ion Ratio Lower Upper
83 100
85 64.7 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.401 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

Tgt Ion: 62 Resp: 67804
Ion Ratio Lower Upper
62 100
98 9.4 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.709 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

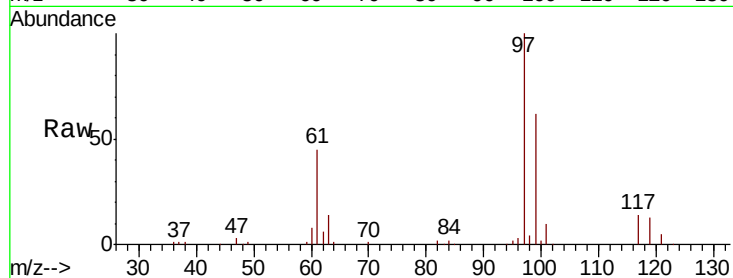
Tot Ion: 97 Resp: 86786

Ion Ratio Lower Upper

97 100

99 62.5 51.3 76.9

61 44.1 36.5 54.7

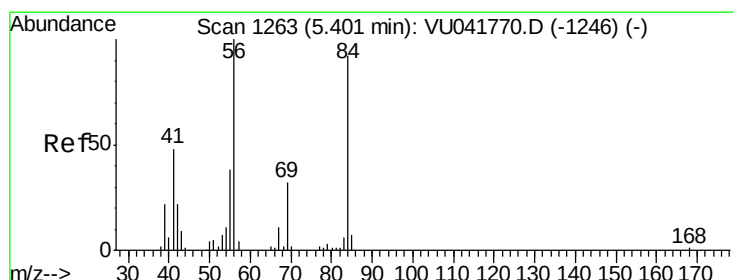
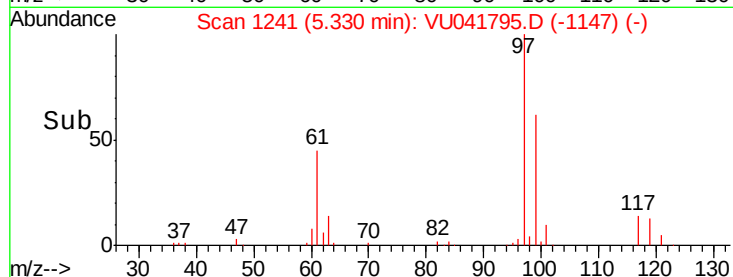
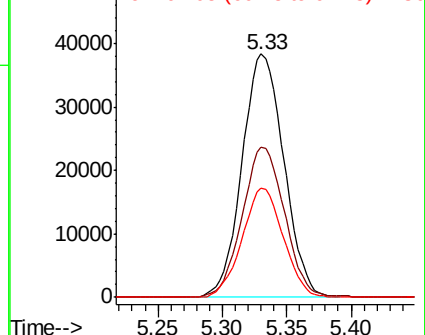


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.800 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

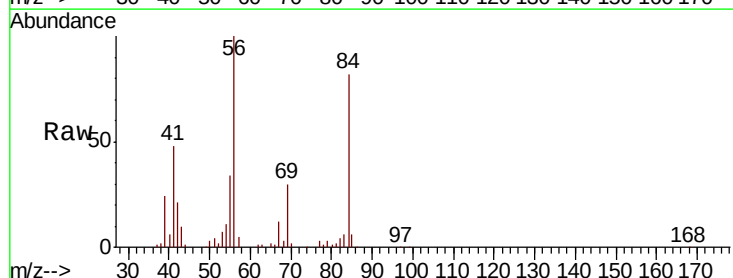
Tgt Ion: 56 Resp: 81786

Ion Ratio Lower Upper

56 100

69 31.0 23.8 35.8

84 87.2 66.2 99.4

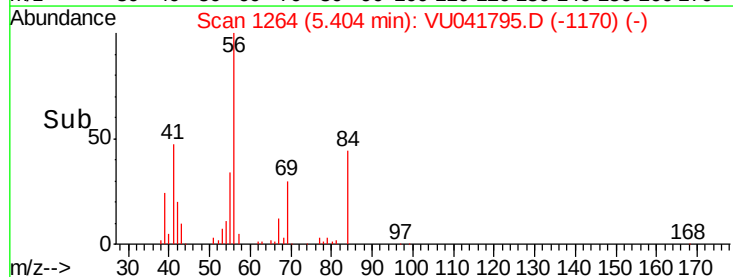
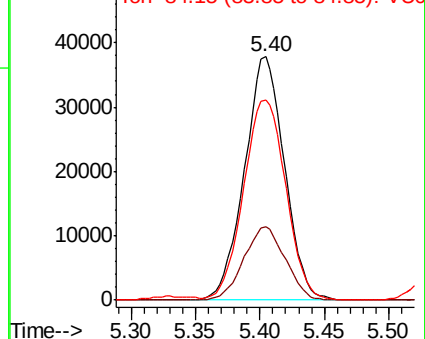


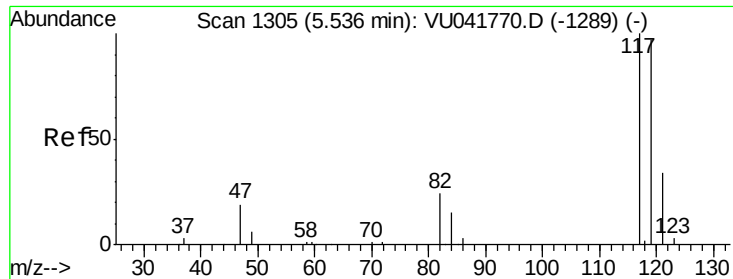
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

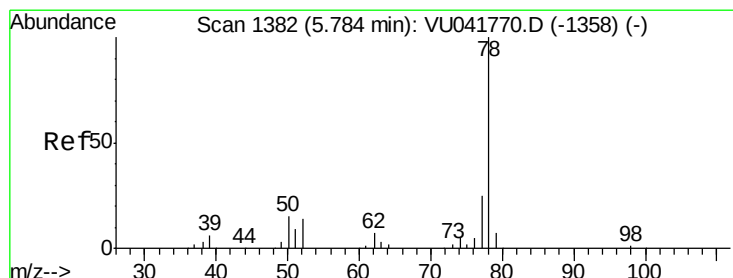
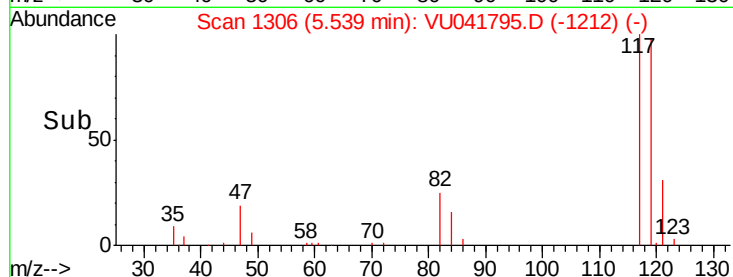
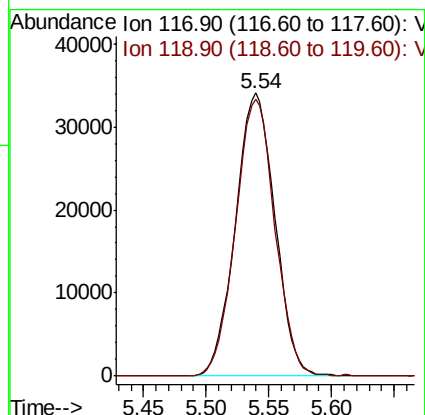
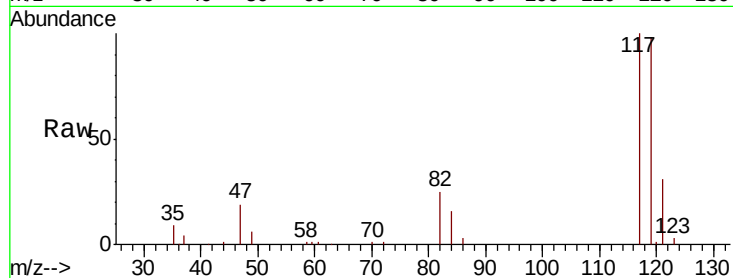




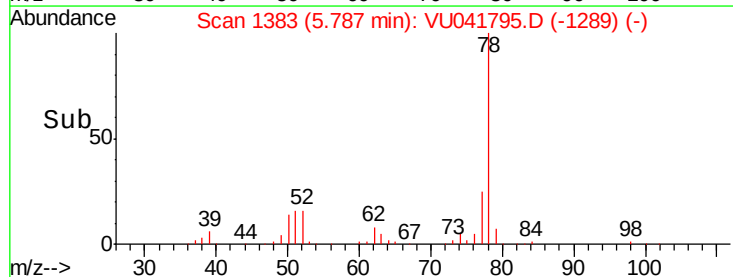
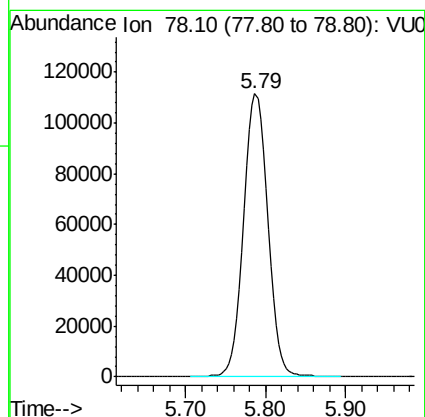
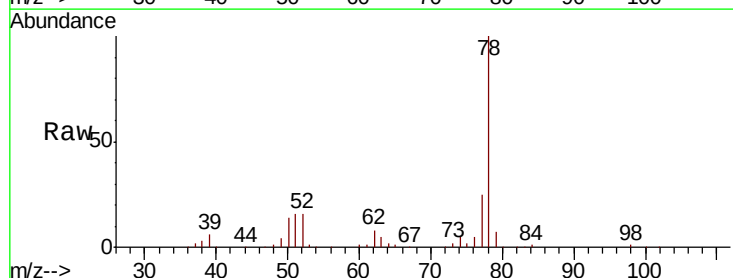
#31
Carbon tetrachloride
Concen: 5.662 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

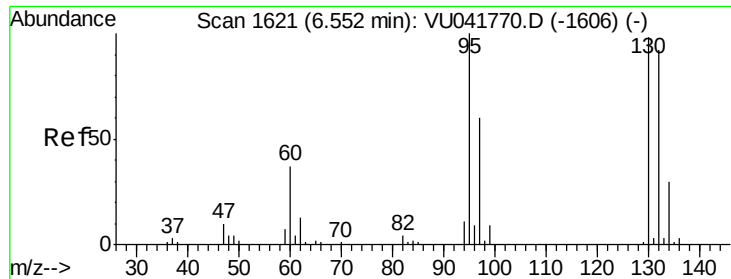
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:117 Resp: 74424
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.2



#33
Benzene
Concen: 5.393 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31
Tgt Ion: 78 Resp: 228286

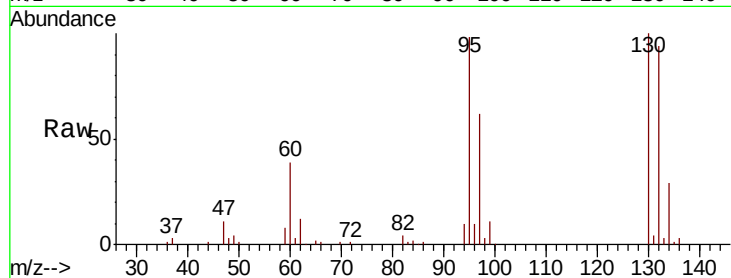




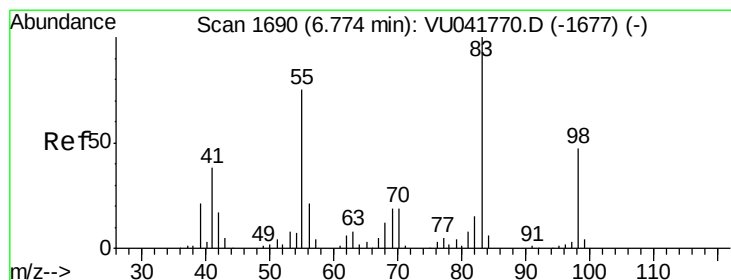
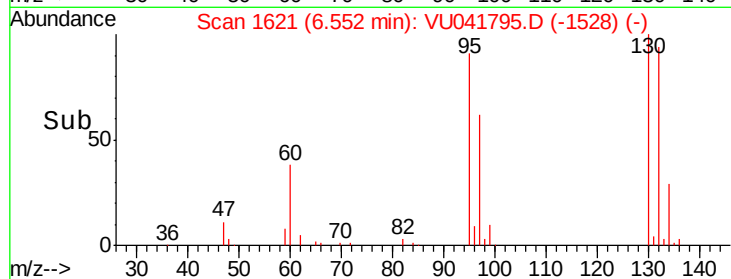
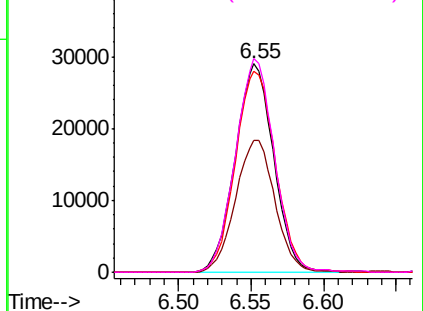
#34
 Trichloroethene
 Concen: 5.040 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 95 Resp: 53616
 Ion Ratio Lower Upper
 95 100
 97 63.6 43.9 81.5
 132 96.4 63.1 117.3
 130 102.5 67.4 125.2

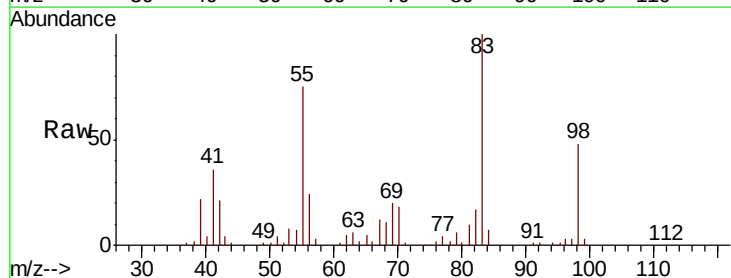


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

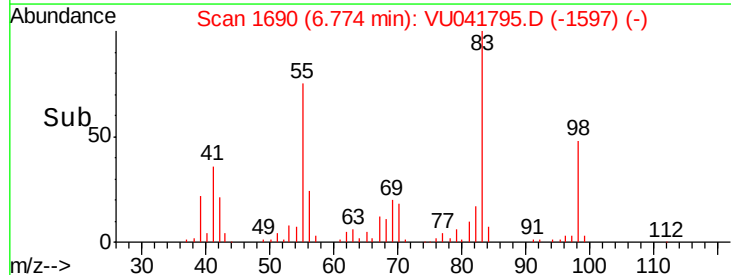
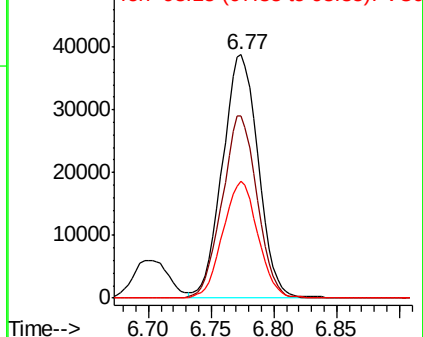


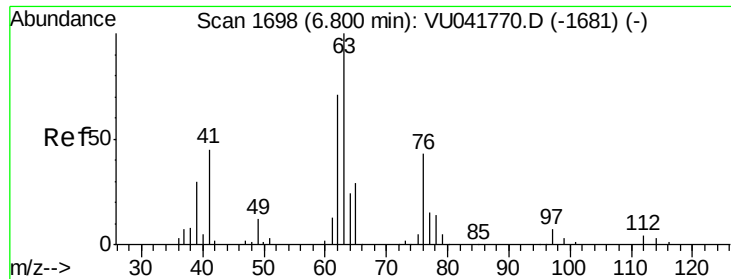
#35
 Methylcyclohexane
 Concen: 4.467 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion: 83 Resp: 76806
 Ion Ratio Lower Upper
 83 100
 55 72.8 61.2 91.8
 98 46.9 36.6 54.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

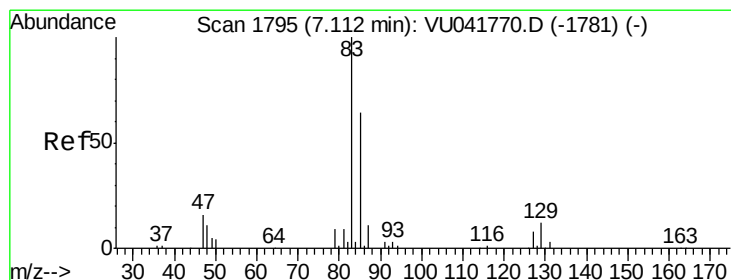
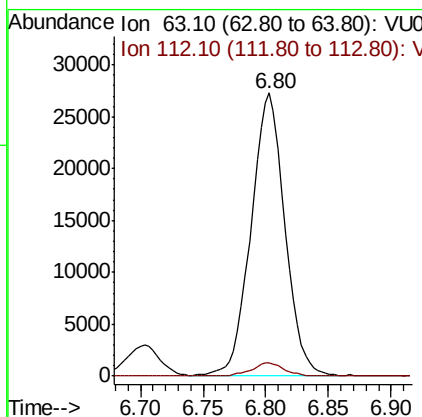
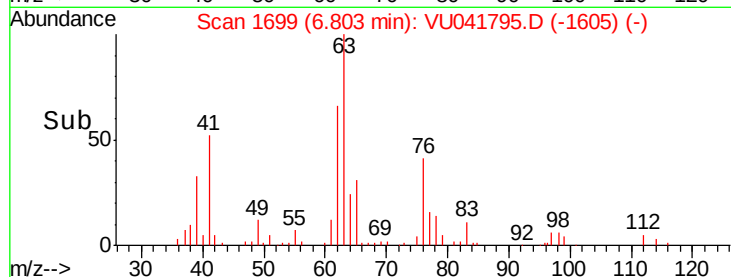
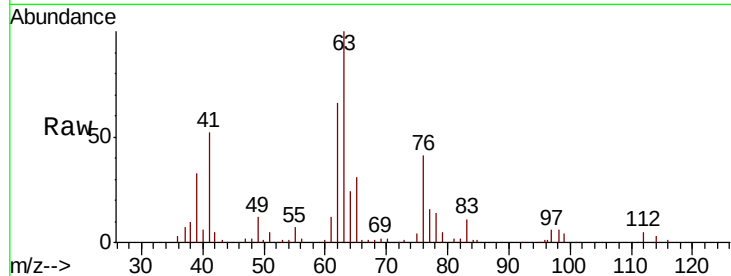




#37
 1,2-Dichloropropane
 Concen: 4.737 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

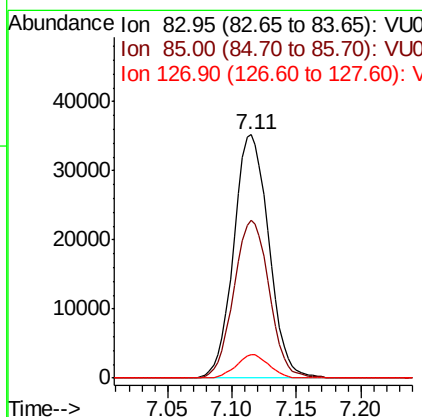
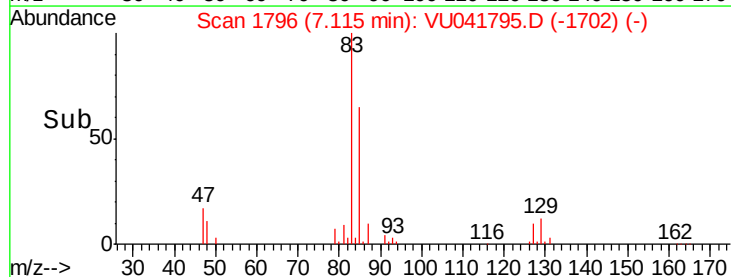
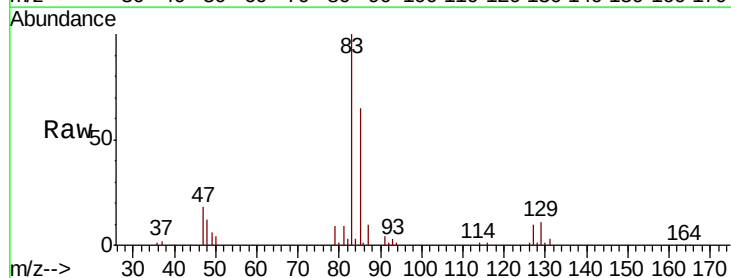
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

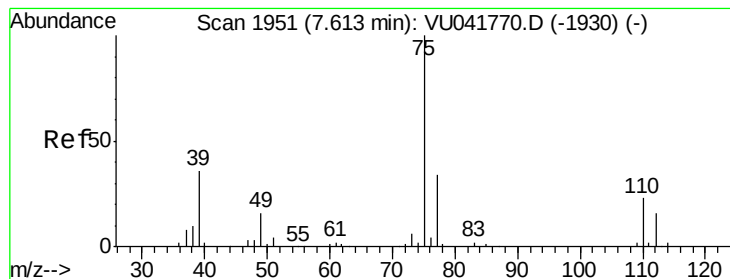
Tot Ion: 63 Resp: 51296
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.959 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion: 83 Resp: 66802
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.5 84.5
 127 9.6 7.0 10.6



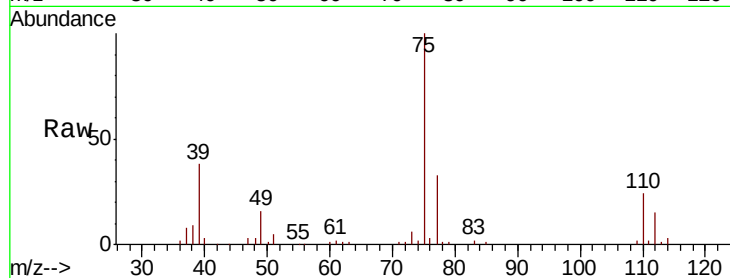


#39

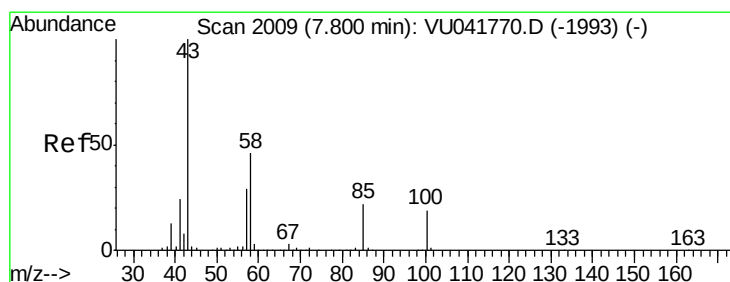
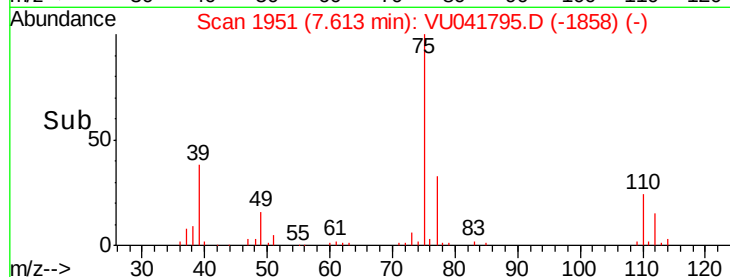
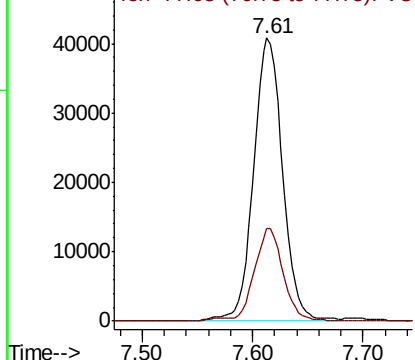
cis-1,3-Dichloropropene
 Concen: 4.643 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 75 Resp: 74493
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.3



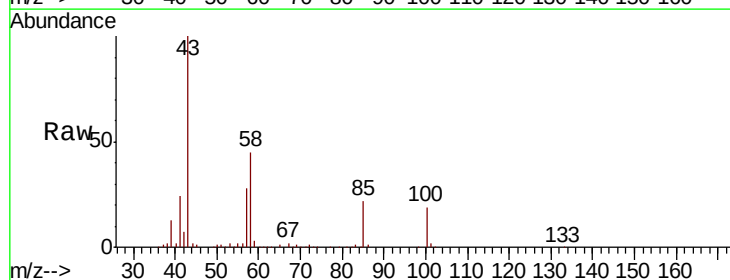
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



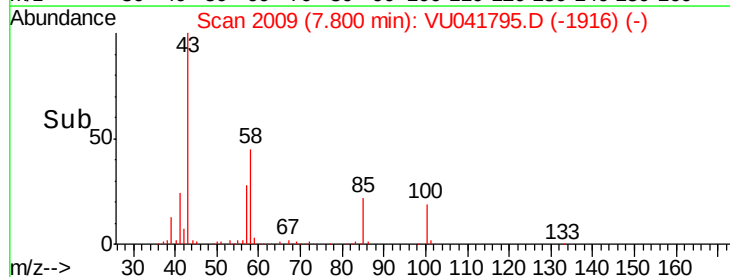
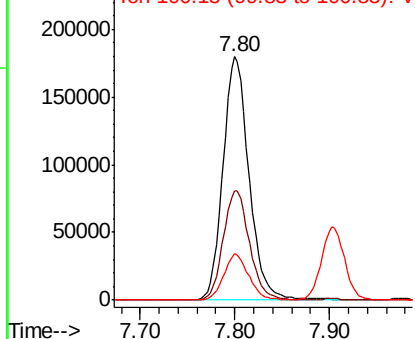
#40

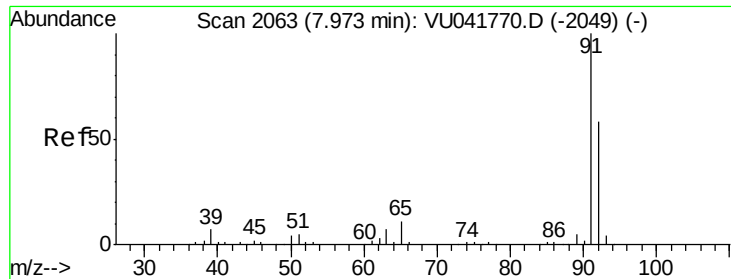
4-Methyl-2-pentanone
 Concen: 44.551 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion: 43 Resp: 343264
 Ion Ratio Lower Upper
 43 100
 58 45.4 34.2 51.2
 100 18.3 12.3 18.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 4.951 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

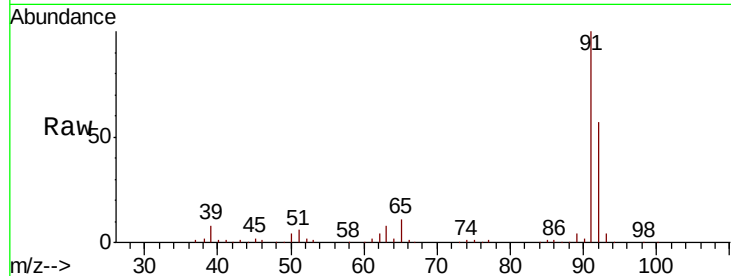
VSTD00528

Tot Ion: 91 Resp: 216402

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041795.D (-2045) (-)

Ion 92.15 (91.85 to 92.85): VU041795.D (-2045) (-)

7.97

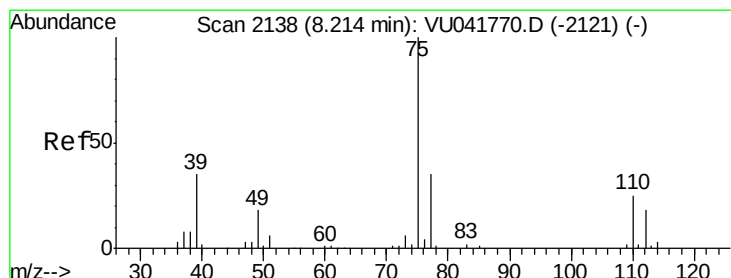
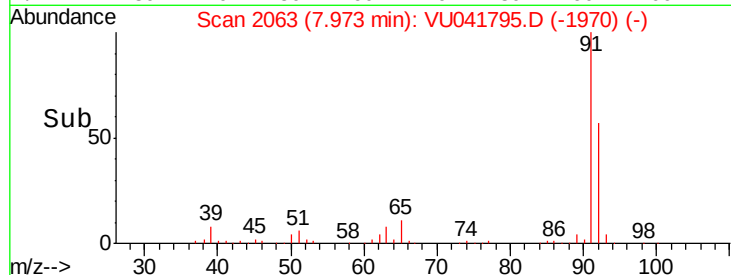
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.816 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041795.D

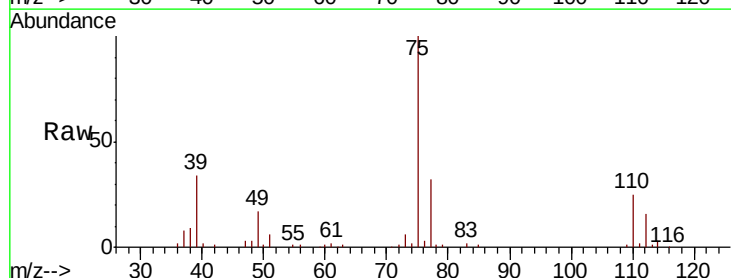
Acq: 23 Dec 2020 20:31

Tgt Ion: 75 Resp: 69099

Ion Ratio Lower Upper

75 100

77 31.8 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041795.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041795.D (-2045) (-)

8.22

40000

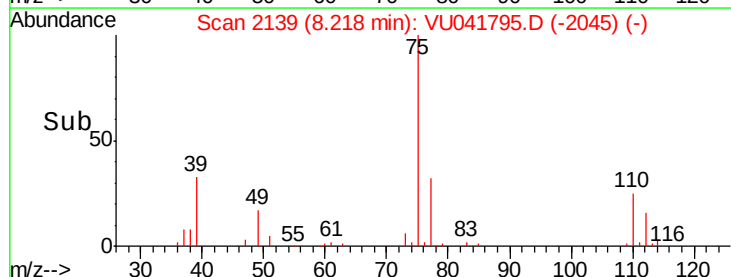
30000

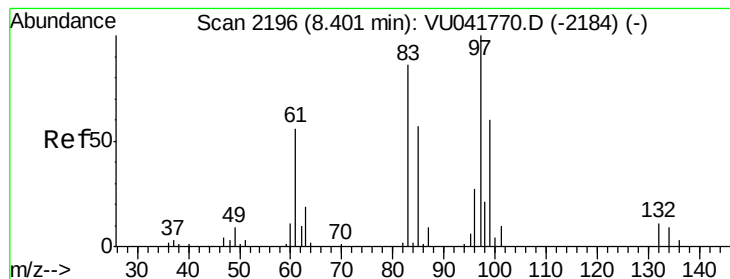
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.421 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tot Ion: 97 Resp: 43411

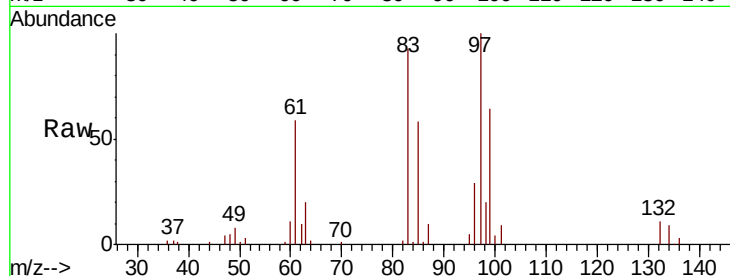
Ion Ratio Lower Upper

97 100

99 64.0 42.1 78.3

83 93.2 62.6 116.2

85 58.0 39.1 72.7

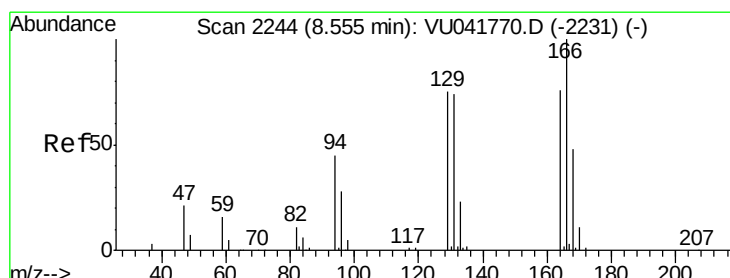
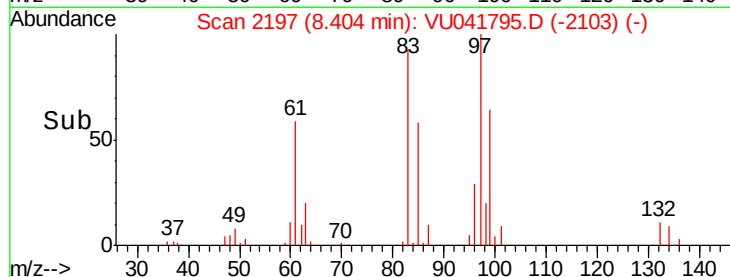
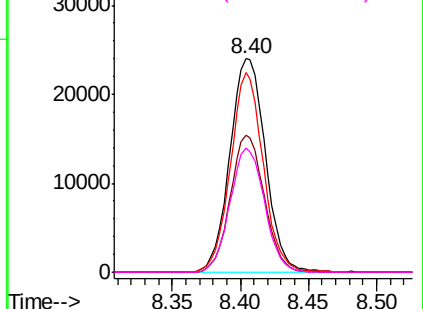


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.586 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Tgt Ion:164 Resp: 41597

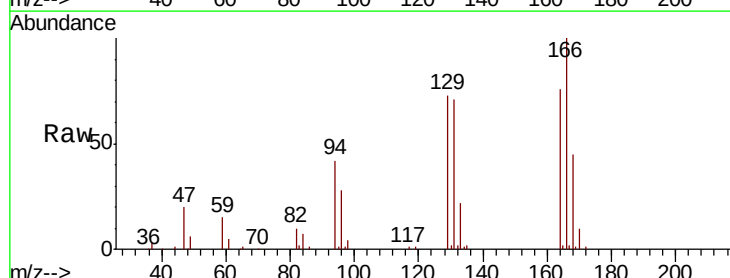
Ion Ratio Lower Upper

164 100

129 97.2 72.2 134.0

131 94.5 66.9 124.3

166 132.4 89.6 166.4

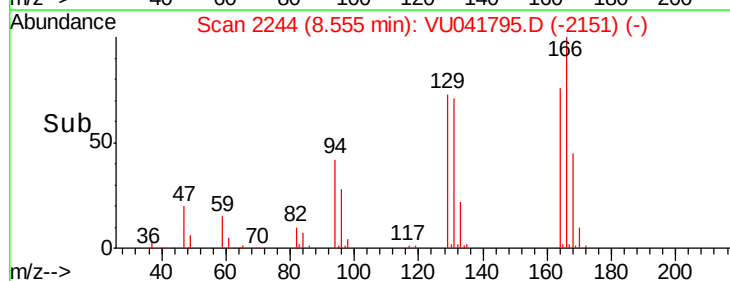
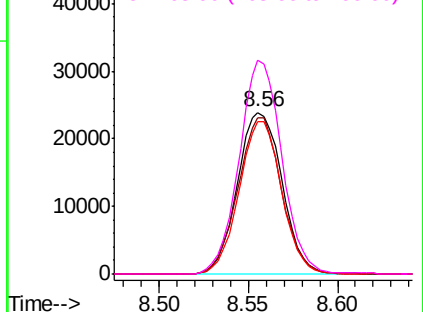


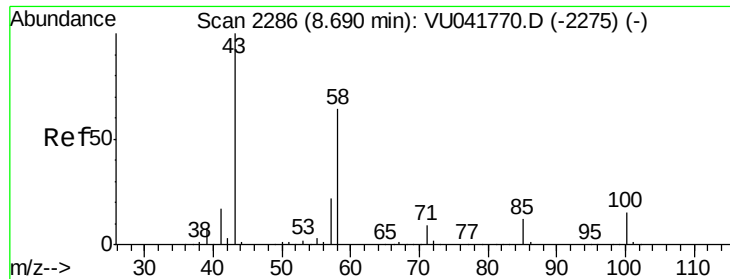
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

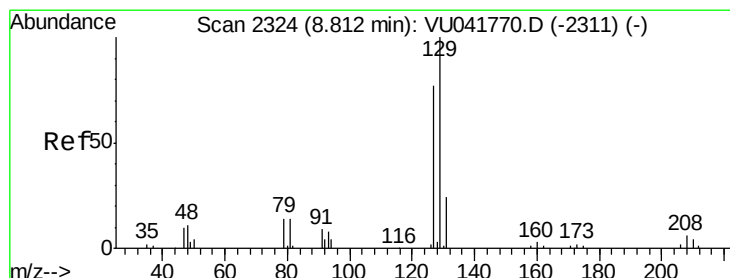
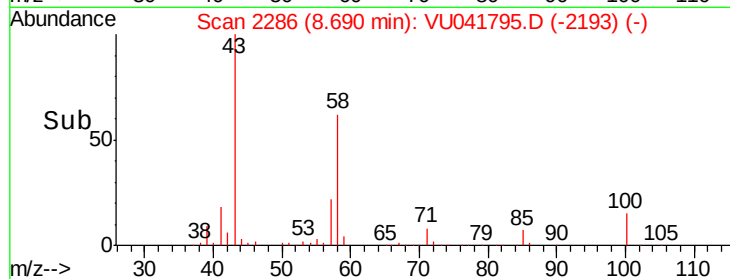
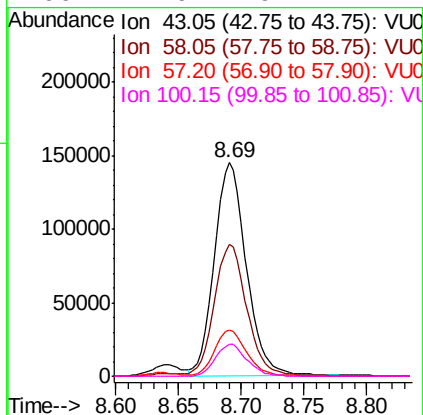
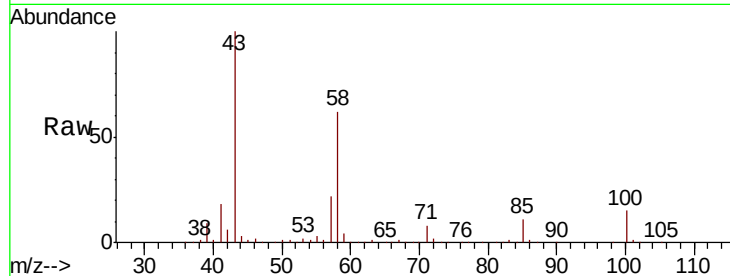




#48
2-Hexanone
Concen: 45.790 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

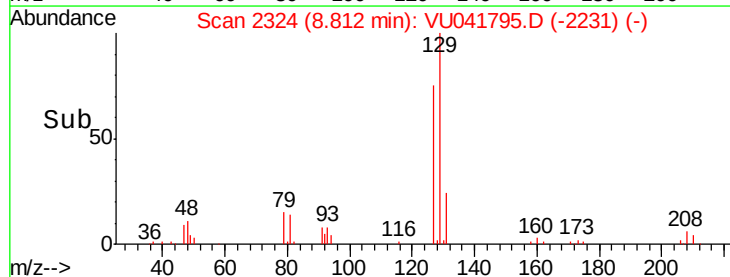
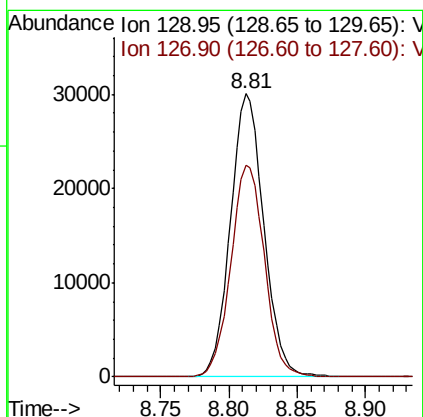
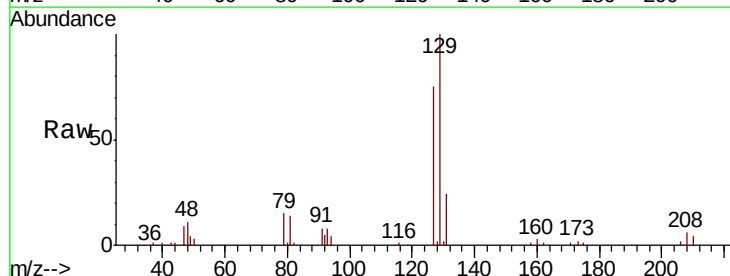
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

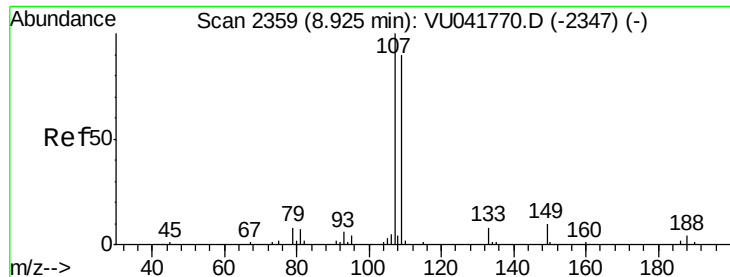
Tot Ion: 43 Resp: 256769
Ion Ratio Lower Upper
43 100
58 63.1 47.9 71.9
57 21.8 16.5 24.7
100 14.9 9.4 14.2#



#49
Dibromochloromethane
Concen: 5.553 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041795.D
Acq: 23 Dec 2020 20:31

Tgt Ion: 129 Resp: 51075
Ion Ratio Lower Upper
129 100
127 74.7 54.7 101.7

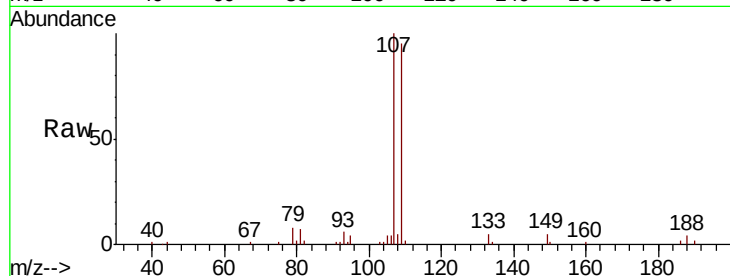




#50
 1,2-Dibromoethane
 Concen: 5.114 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	65.6	121.8
188	4.1	2.6	4.0#

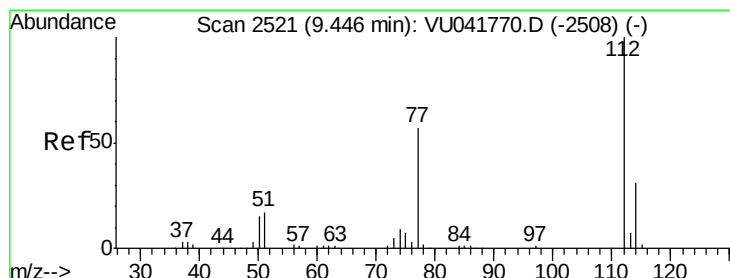
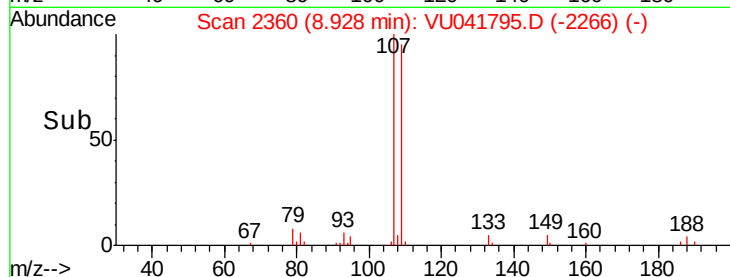
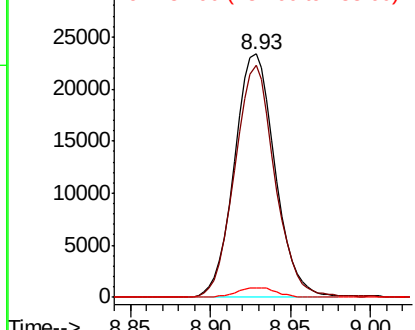


Abundance

Ion 106.95 (106.65 to 107.65): V

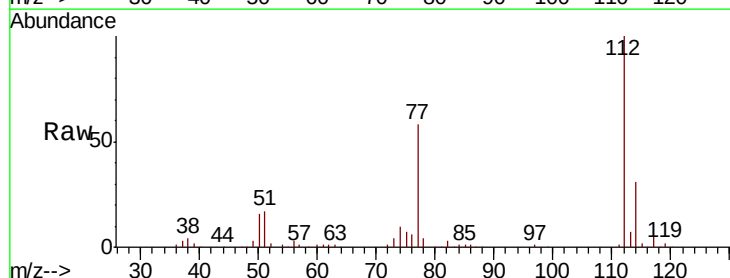
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.050 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.7	42.3
77	57.6	49.1	73.7

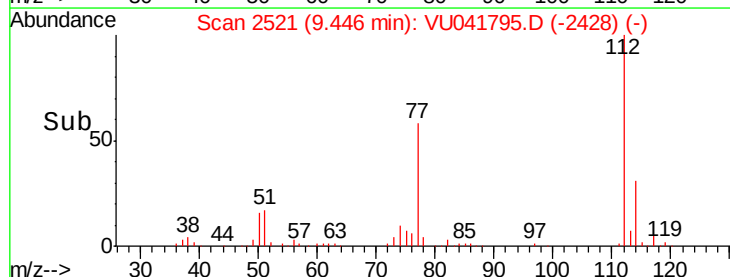
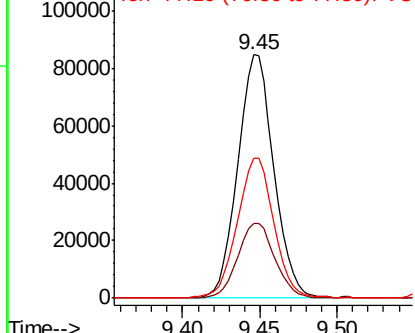


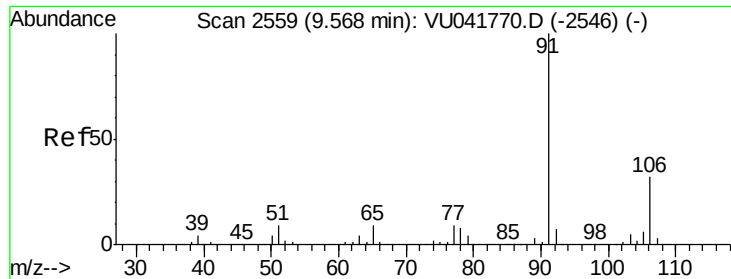
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.710 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

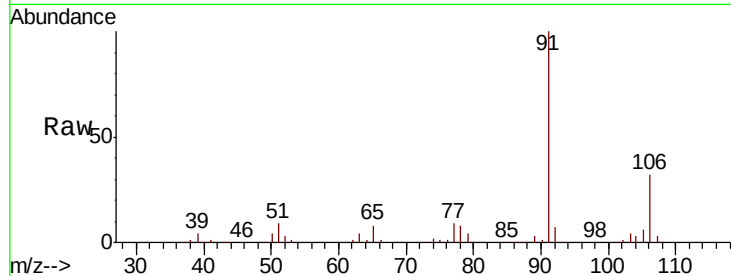
VSTD00528

Tot Ion: 91 Resp: 219205

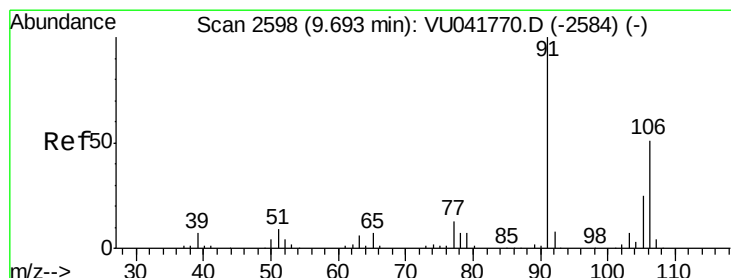
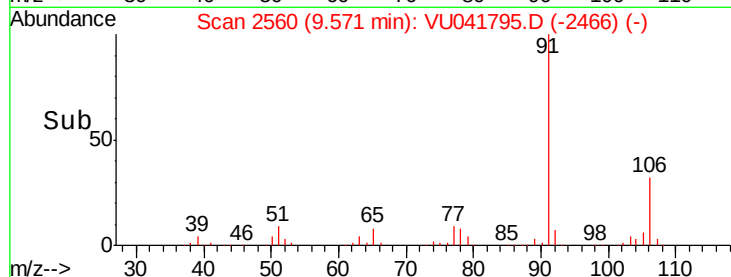
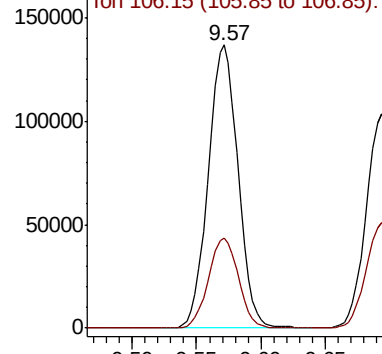
Ion Ratio Lower Upper

91 100

106 31.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041795.D (-2466) (-)



#53

m,p-Xylene

Concen: 4.890 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041795.D

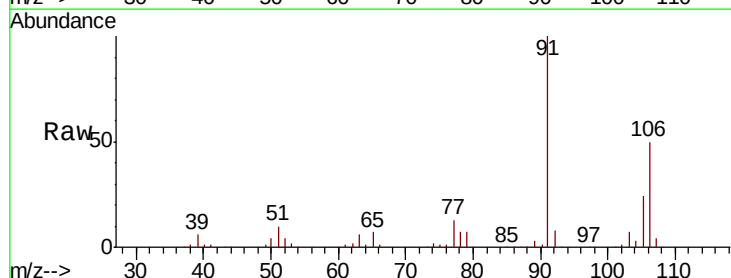
Acq: 23 Dec 2020 20:31

Tgt Ion: 106 Resp: 84882

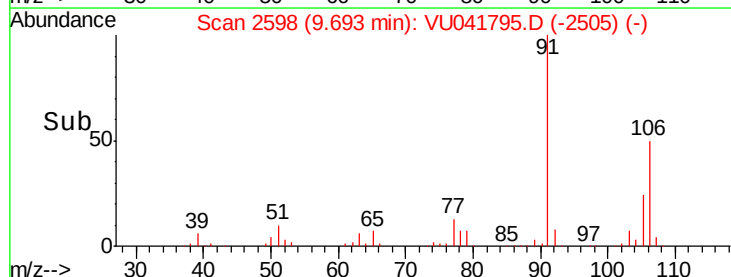
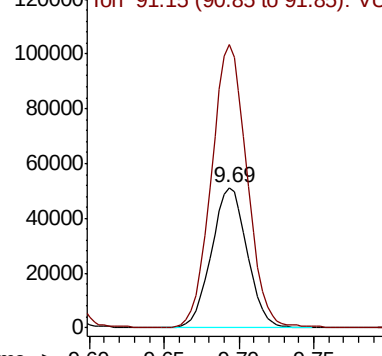
Ion Ratio Lower Upper

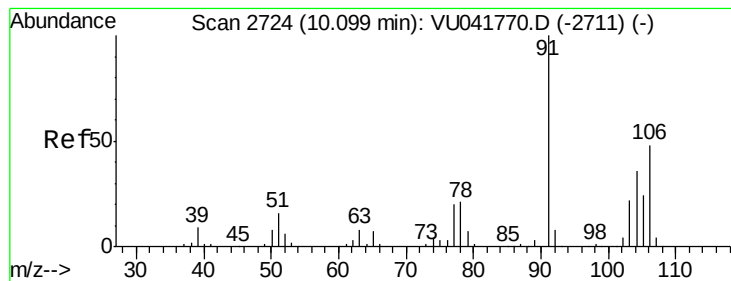
106 100

91 201.4 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041795.D (-2505) (-)





#54

o-Xylene

Concen: 4.919 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

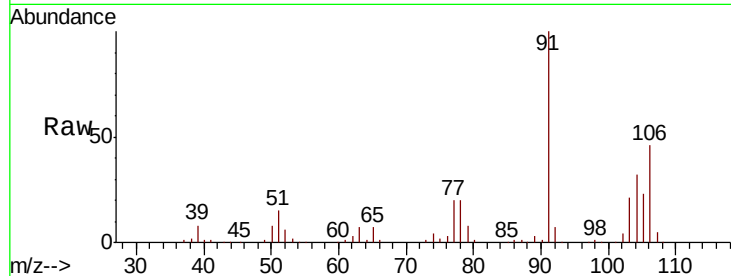
VSTD00528

Tot Ion:106 Resp: 83619

Ion Ratio Lower Upper

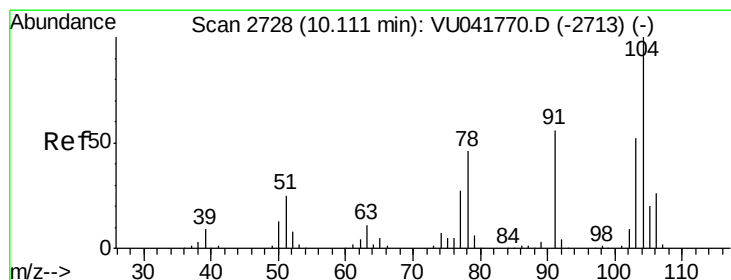
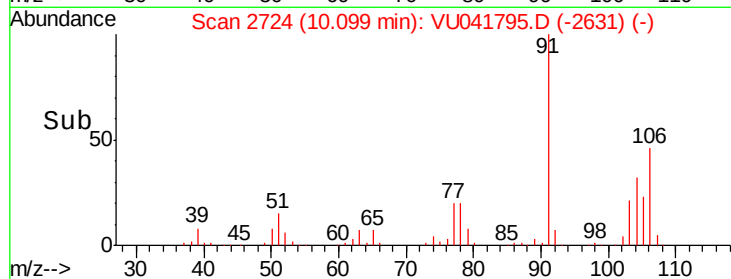
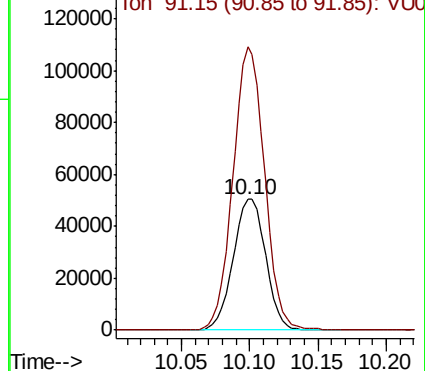
106 100

91 216.1 151.3 281.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.006 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041795.D

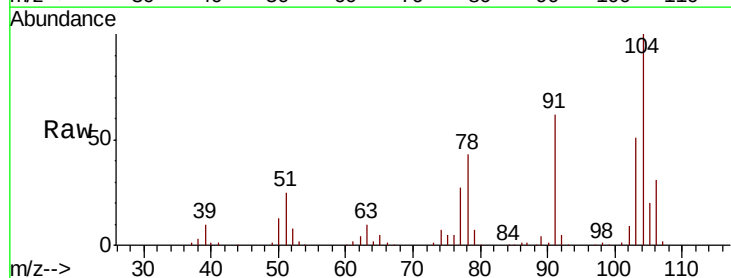
Acq: 23 Dec 2020 20:31

Tgt Ion:104 Resp: 147008

Ion Ratio Lower Upper

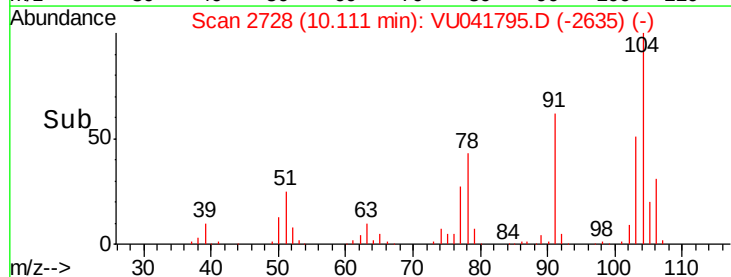
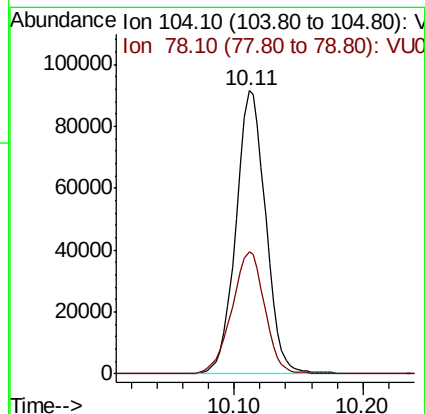
104 100

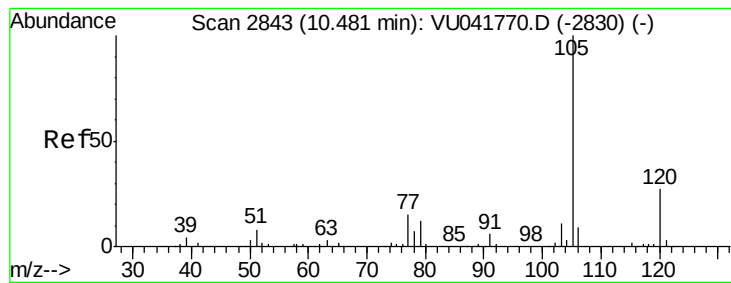
78 43.2 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.850 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

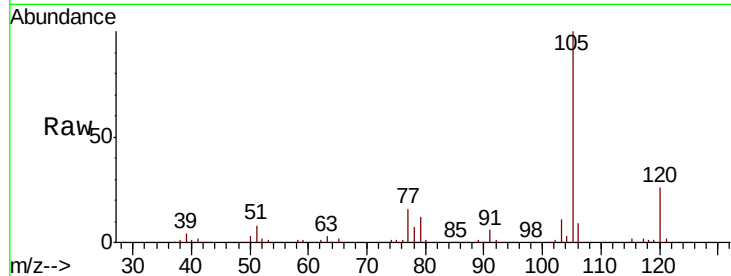
Tot Ion:105 Resp: 219485

Ion Ratio Lower Upper

105 100

120 26.5 20.5 30.7

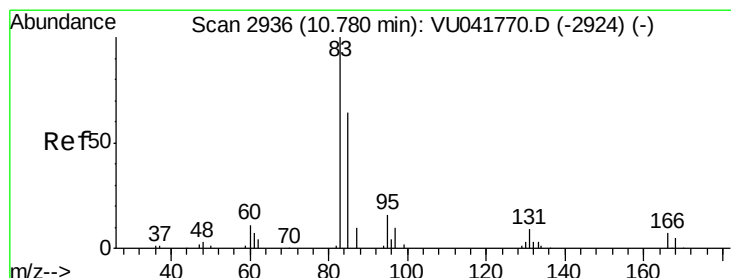
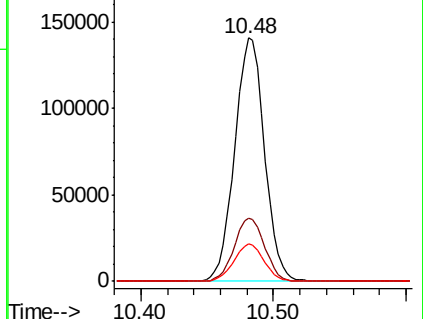
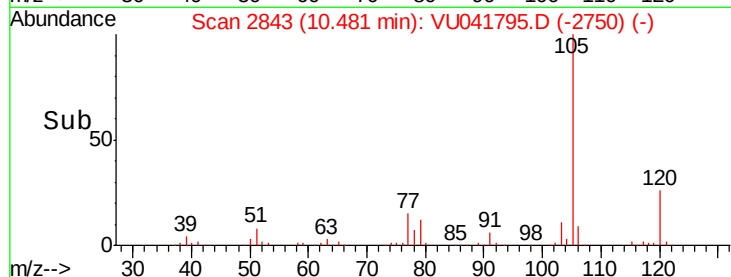
77 15.6 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.933 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

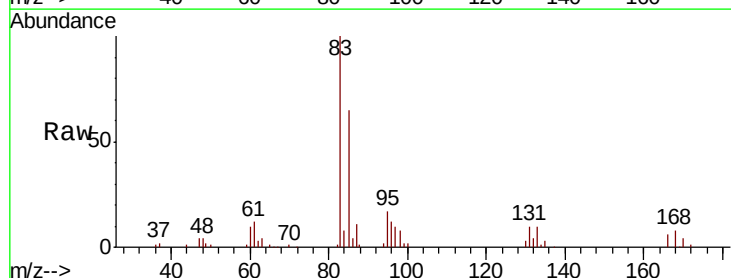
Tgt Ion: 83 Resp: 54971

Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.7

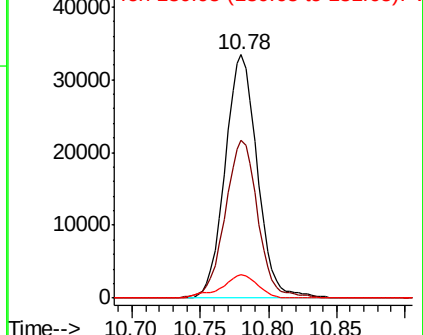
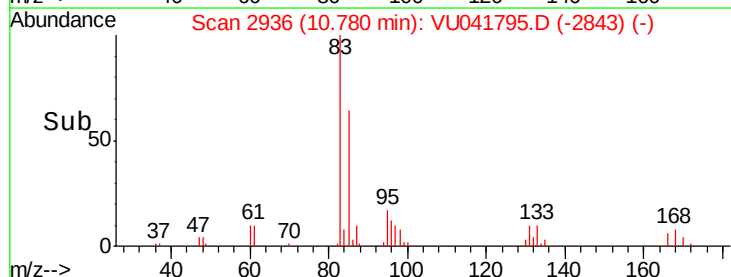
131 9.7 7.8 11.6

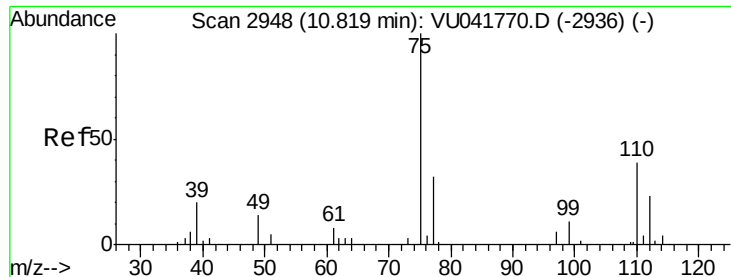


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

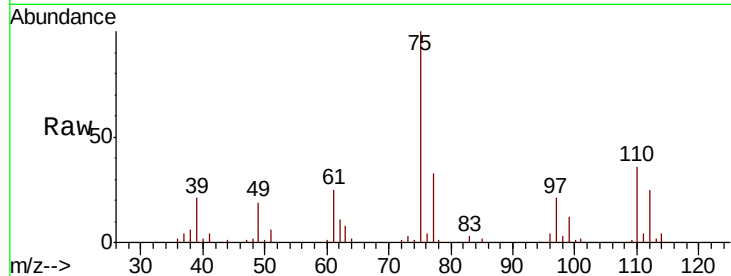




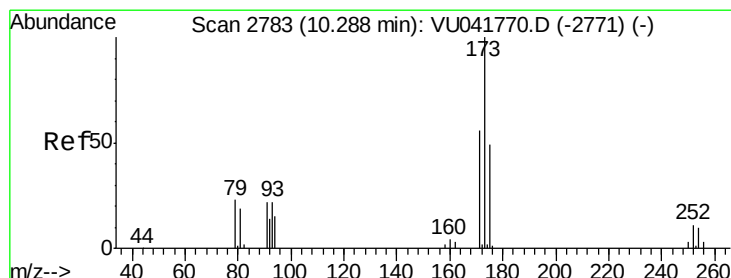
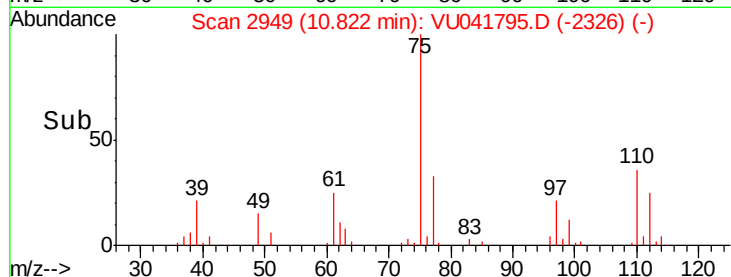
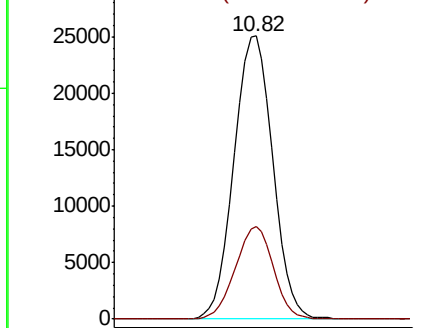
#59
 1,2,3-Trichloropropane
 Concen: 5.092 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 75 Resp: 41408
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2

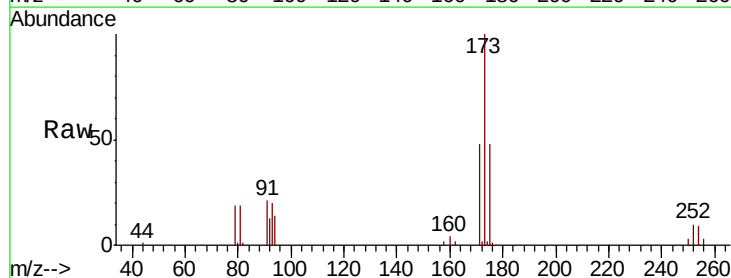


Abundance Ion 75.00 (74.70 to 75.70): VU041770.D (-2936) (-)
 Ion 77.00 (76.70 to 77.70): VU041770.D (-2936) (-)

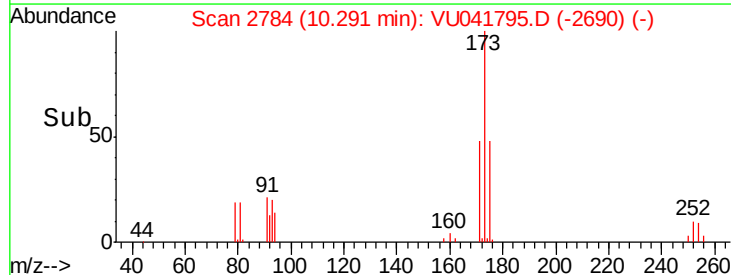
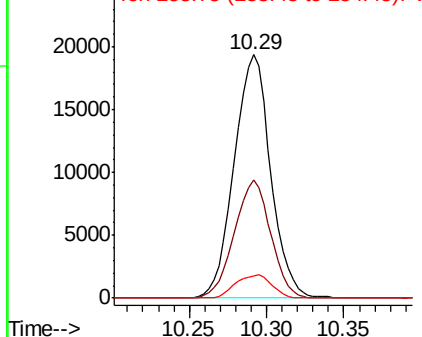


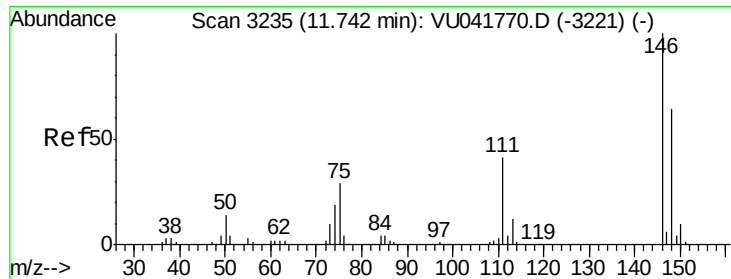
#61
 Bromoform
 Concen: 6.067 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion: 173 Resp: 31619
 Ion Ratio Lower Upper
 173 100
 175 48.3 37.3 55.9
 254 9.5 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU041770.D (-2771) (-)
 Ion 174.90 (174.60 to 175.60): VU041770.D (-2771) (-)
 Ion 253.75 (253.45 to 254.45): VU041770.D (-2771) (-)

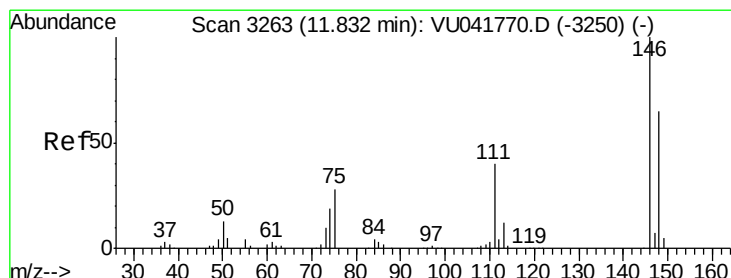
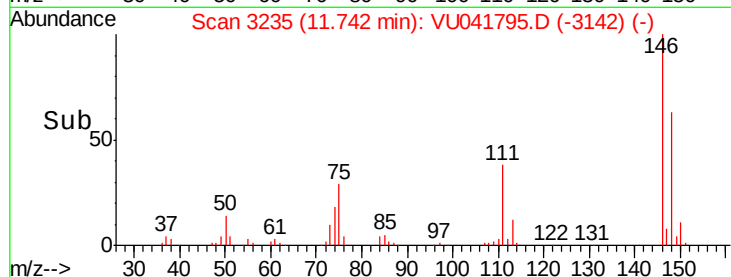
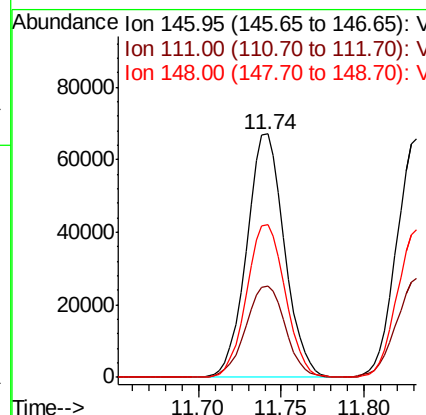
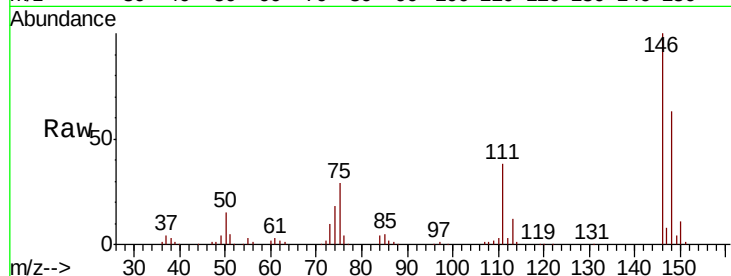




#62
 1,3-Dichlorobenzene
 Concen: 5.038 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

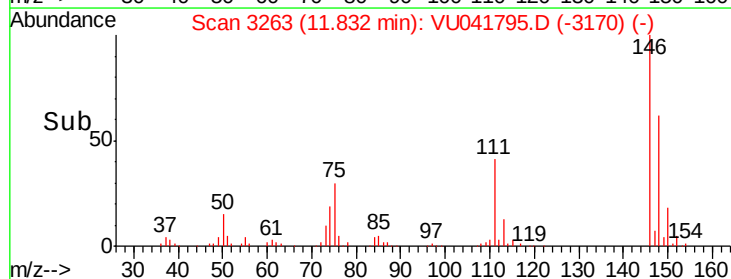
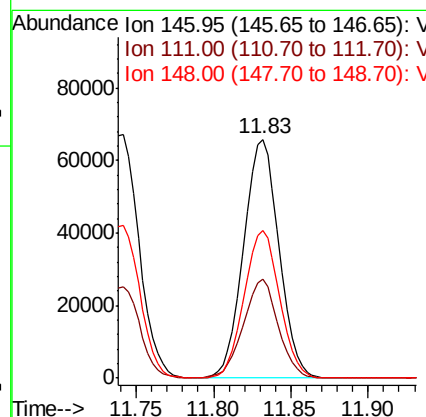
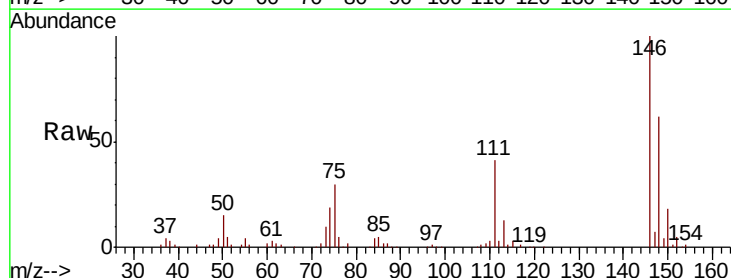
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

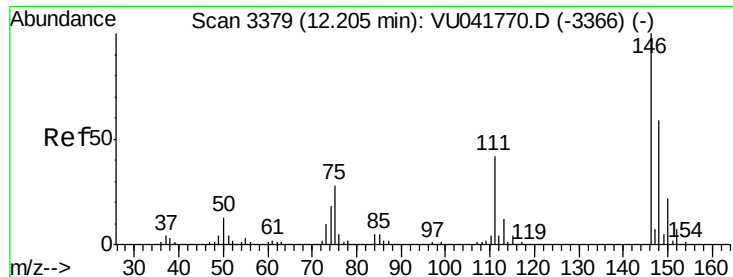
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	30.0	55.8
148	62.7	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 4.939 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	27.9	51.9
148	62.1	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 5.177 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

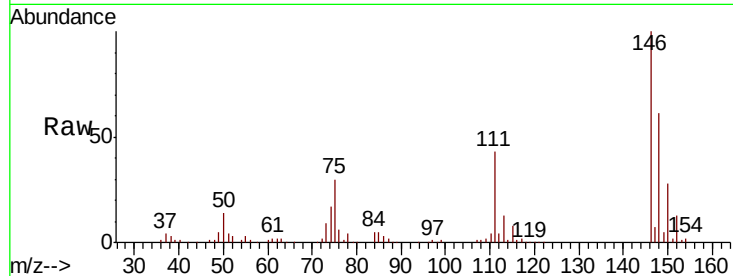
Tot Ion:146 Resp: 106886

Ion Ratio Lower Upper

146 100

111 43.2 35.0 52.6

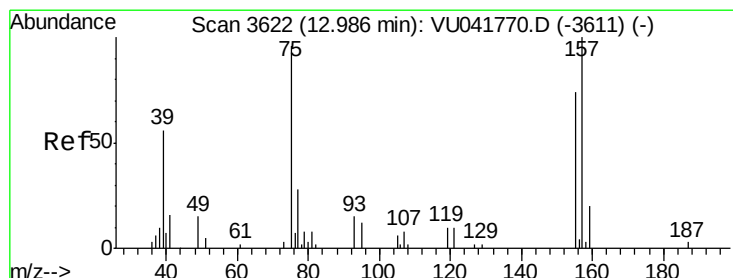
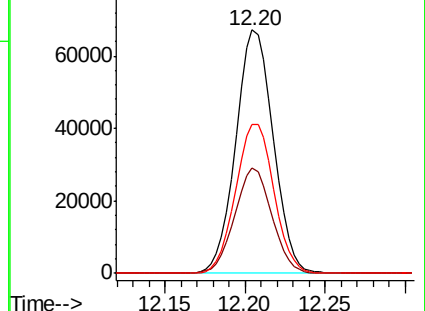
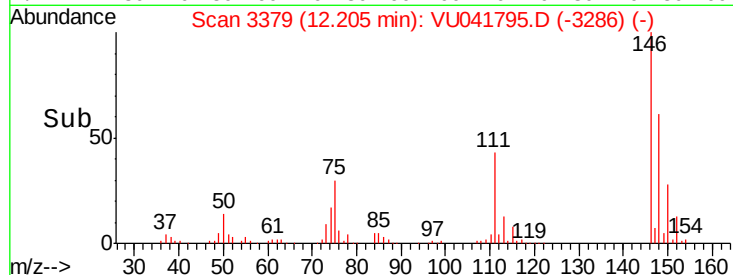
148 61.4 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.820 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

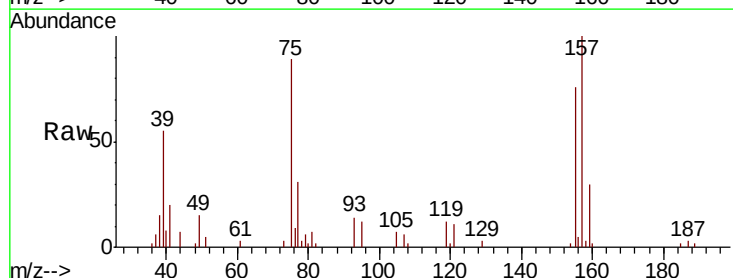
Tgt Ion: 75 Resp: 9333

Ion Ratio Lower Upper

75 100

155 84.7 57.4 86.0

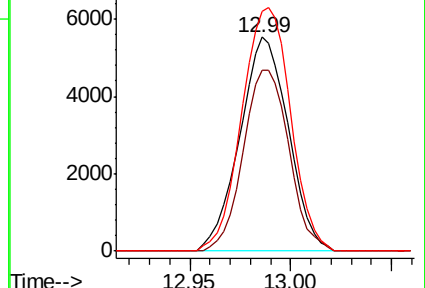
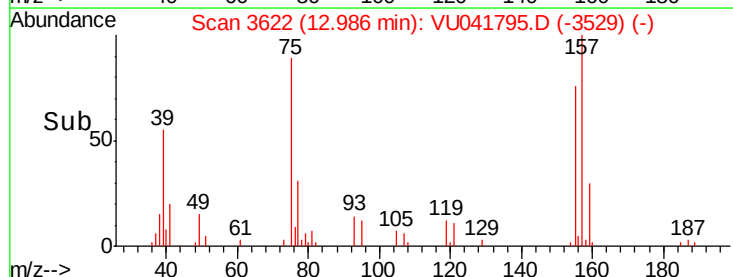
157 112.0 72.4 108.6#

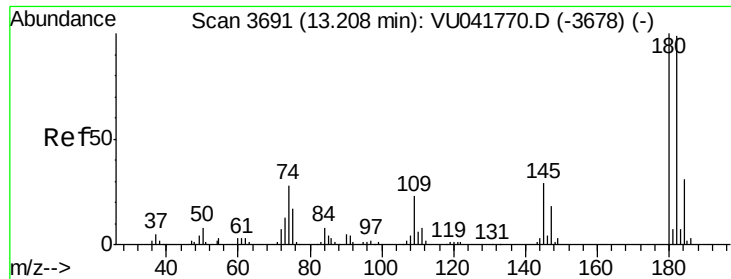


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

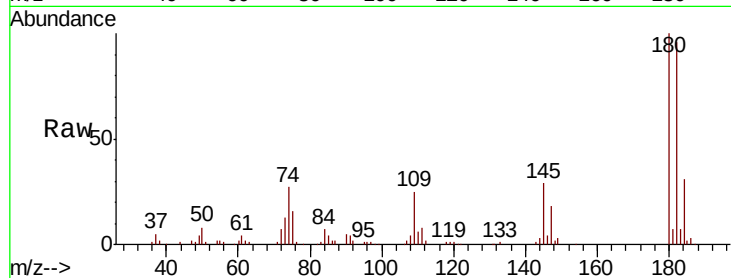




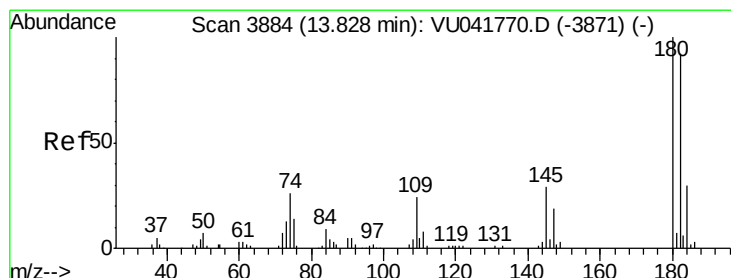
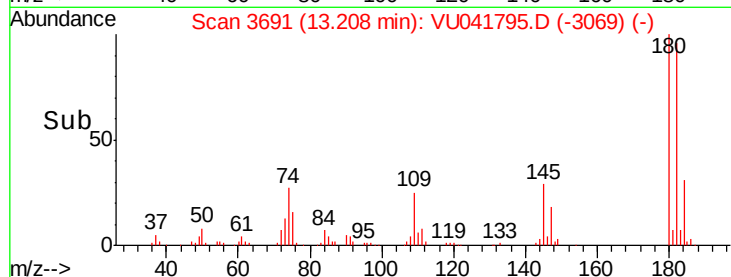
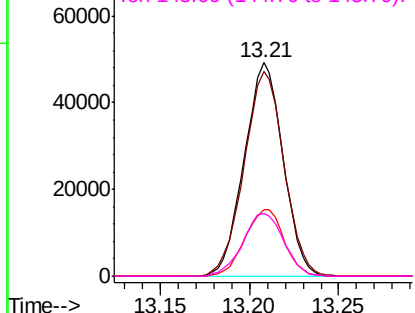
#67
 1,3,5-Trichlorobenzene
 Concen: 4.661 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:180 Resp: 74587
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.3 114.5
 184 31.6 24.1 36.1
 145 31.0 24.1 36.1

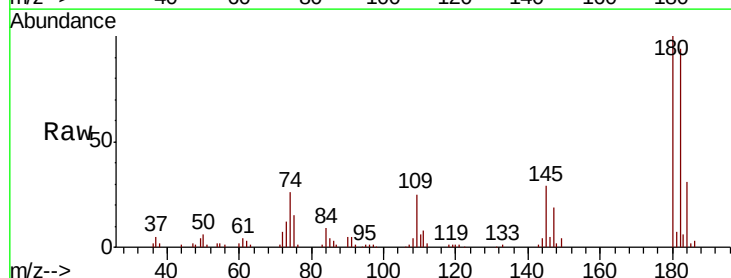


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

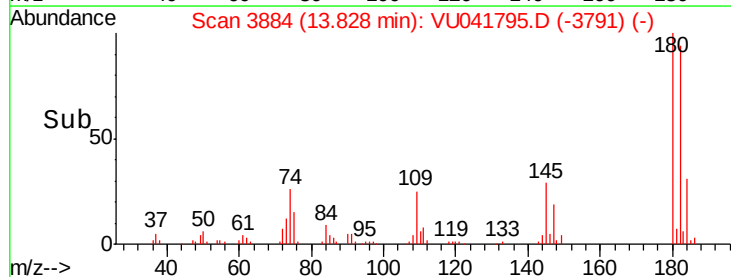
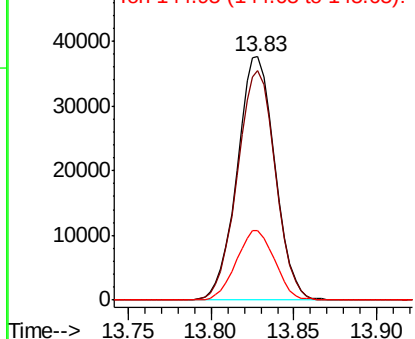


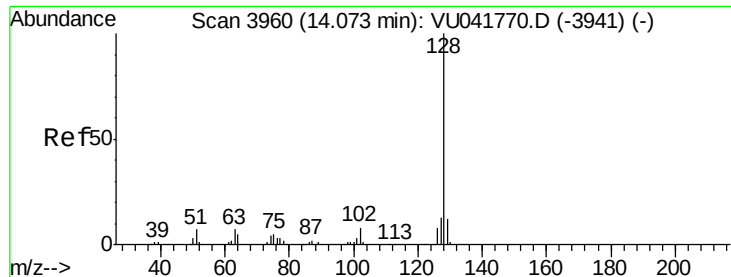
#68
 1,2,4-trichlorobenzene
 Concen: 4.442 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041795.D
 Acq: 23 Dec 2020 20:31

Tgt Ion:180 Resp: 59657
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.4 113.0
 145 28.9 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.929 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

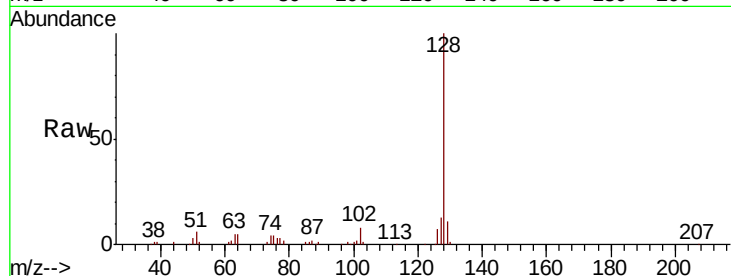
Tot Ion:128 Resp: 109225

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

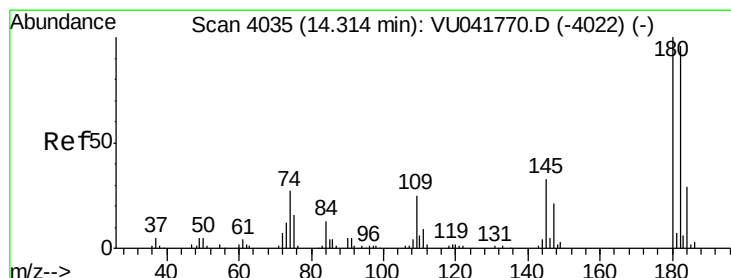
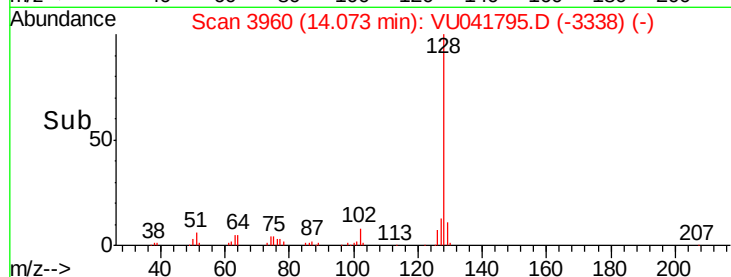
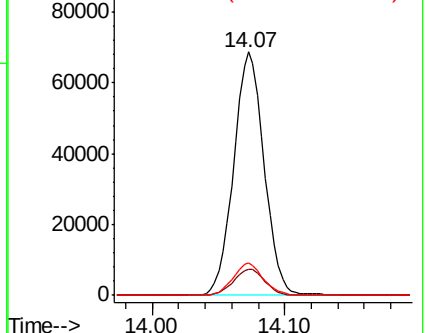
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.554 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041795.D

Acq: 23 Dec 2020 20:31

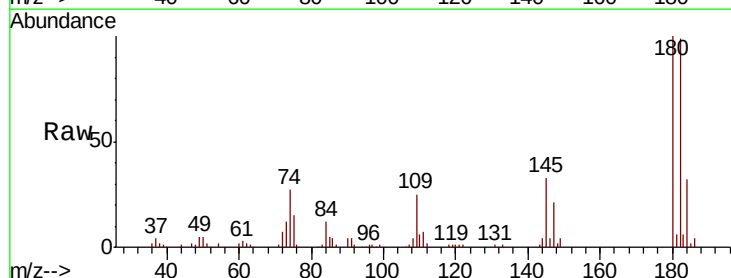
Tgt Ion:180 Resp: 58291

Ion Ratio Lower Upper

180 100

182 97.8 77.0 115.4

145 32.0 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

